

# MATEMATIKA

8



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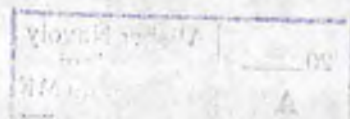
*Imkoniyati cheklangan bolalar uchun ixtisoslashtirilgan maktab  
va maktab-internatlarning 8-sinf darsligi*

*Ikkinchi nashr*

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tomonidan tasdiqlangan*

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Darslikdagi pul muomalasiga doir mashqlarda narxlar shartli qabul qilingan.

Ushbu darslikdan o'quvchilarning bilish darajasi va imkoniyati hisobga olingan holda differentsial yondashib foydalanish tavsiya etiladi.

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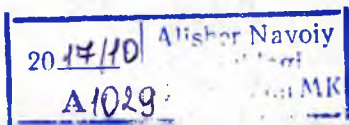
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## RAQAMLASH

### OLTI XONALI SONLAR ICHIDA RAQAMLASH

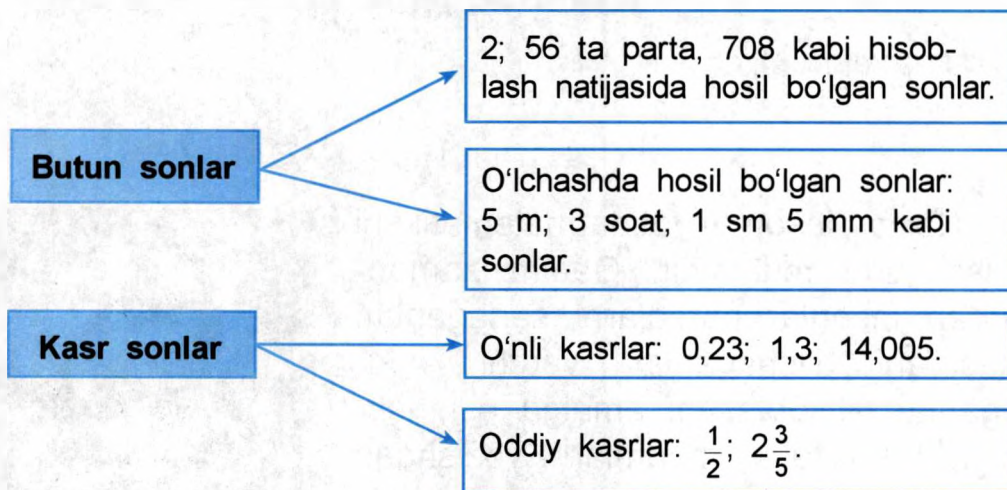
Har bir inson hayotida matematikani bilish juda muhimdir. Qadim zamonlardan insonlar narsalarni sanaganlar, masofani o'lchaganlar, vaqtni aniqlaganlar. Hisoblashni amalga oshirishda turli vositalar, raqamlarni yozishdan foydalanganlar. Buyuk bobokalonimiz **Al-Xorazmiy** (783-yil Xivada tug'ilgan) o'zining «Hindcha hisob haqida»gi asarida sonlarning o'nlik sanoq sistemasi haqida va to'qqizta raqam va nol yordamida istalgan sonlarni tuzish mumkinligi va ular ustida to'rt amalning qo'llanishini tushuntirib berdi. Ushbu 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 sonlarining yozilishi arablar tomonidan qo'llandi va butun dunyoga yoyildi. Ushbu raqamlar shuning uchun *arab raqamlari* deyiladi.



Bundan 2500 yil avval sonlar boshqa raqamlar bilan ifodalangan. Sonlarni yozishda rimliklar foydalangan raqamlar *rim raqamlari* deb nomlandi va undan foydalanish noqulayroq bo'lganligi sababli, amalda ko'proq arabcha raqamlar qo'llana boshladi.

0, 1, 2, 3, 4, 5, 6, 7, 8, 9 arab raqamlari deb ataladi	I, II, III, IV, V, VI, VII, VIII, IX, X rim raqamlari deb ataladi
--	--

Sonlar qanday bo'lishini eslang:



1. a) Quyidagi sonlarni o'qing. Bu sonlar qanday sonlar deb ataladi? Har bir sondagi raqamlar sonini ayting.  
9; 36; 149; 8000; 16001; 2010; 78100; 100000.
- b) Biz bilgan eng katta son 100000. Undan katta butun son mavjudmi?
- d) To'rt xonali, besh xonali sonlarni yozing va ularni taqqoslang.

2. Sonlarni taqqoslang.  $>$ ,  $<$  belgilaridan mosini qo'ying.

5392 ... 5391	52409 ... 52411	90720 ... 90702
60078 ... 60800	6789 ... 6099	32441 ... 32414

3. 1) Sinf va xona birliklarini eslang va jadvalni chizing.

Mingliklar sinfi			Birliklar sinfi		
Yuz minglar xonasi	O'n minglar xonasi	Minglar xonasi	Yuzlar xonasi	O'nlari xonasi	Birlar xonasi

- 2) Jadvalga xona birliklarini yozing: 1 000, 10 000, 100 000. Ular qaysi sinfga taalluqli?
- 3) Jadvalga xona birliklarini yozing: 1 ta birlik, 1 ta o'nlik, 1 ta yuzalik. Ular qaysi sinfga taalluqli?
- 4) Jadvaldagi sonlarni o'qing va daftaringizga yozing. Xona birliklarida raqam bo'lmasa, u qanday yoziladi?
- 5) Jadvaldagi sonlarni o'sib borish tartibida yozing.

Mingliklar sinfi			Birliklar sinfi		
Yuz minglar xonasi	O'n minglar xonasi	Mingliklar xonasi	Yuzlar xonasi	O'nlar xonasi	Birlar xonasi
			2		7
	1	2	6	3	1
1					
	8			2	



**Yodda tuting!** Agar sonning biror xonasida nol turgan bo'lsa, son o'qilganda shu xona nomi tushurib qoldiriladi, ya'ni o'qilmaydi.

4. Raqamlar yordamida sonlarni yozing:
  - yigirma ikki ming olti yuz yetmish;
  - ikki ming oltmish yetti; yigirma ming yigirma;
  - yigirma ikki ming ikki;
  - yigirma ming ikki yuz.

## 1 000 000 ICHIDA RAQAMLASH



Mingliklar va birliklar sinfidan tashqari yana sinflar mavjud bo'lib, mingliklar sinfidan tashqari millionlar sinfi ham jadvalda turadi. Unga 1.000.000 (**bir million**) soni misol bo'ladi.

5. 1) Har bir oldingi sondan keyingi sonni hosil qiling:
- 10 ming + 10 ming = 20 ming.
  - 20 ming + 10 ming = 30 ming.
  - 30 ming + 10 ming = ...
  - 40 ming + 10 ming = ...
  - 50 ming + 10 ming = ...
  - 60 ming + 10 ming = ...
  - 70 ming + 10 ming = ...
  - 80 ming + 10 ming = ...
  - 90 ming + 10 ming = 100 ming.
- 2) Jadvaldagi sonlarni o'qing. O'zgarishlar qayerdaligini toping.

Mingliklar sinfi			Birliklar sinfi		
Yuz minglar	O'n minglar	Minglar	Yuzlar	O'nlar	Birlar
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0

3) 100 mingdan qo'shib, hisoblang:

$$100 \text{ ming} + 100 \text{ ming} = 200 \text{ ming.}$$

$$200 \text{ ming} + 100 \text{ ming} = 300 \text{ ming.}$$

$$300 \text{ ming} + 100 \text{ ming} = \dots$$

$$400 \text{ ming} + 100 \text{ ming} = \dots$$

$$500 \text{ ming} + 100 \text{ ming} = \dots$$

$$600 \text{ ming} + 100 \text{ ming} = \dots$$

$$700 \text{ ming} + 100 \text{ ming} = \dots$$

$$800 \text{ ming} + 100 \text{ ming} = \dots$$

$$900 \text{ ming} + 100 \text{ ming} = 1000 \text{ ta ming} = 1 \text{ million (1 mln).}$$

6. Bir million sonini jadvalga yozish uchun jadvalga chap tomondan millionlar sinfini qo'shamiz.

Millionlar sinfi			Minglar sinfi			Birlar sinfi		
Yuz million-lar	O'n million-lar	Bir million-lar	Yuz ming-lar	O'n ming-lar	Bir ming-lar	Yuzlar	O'nlar	Birlar
		1	0	0	0	0	0	0

– Jadvalga qaysi son yozilgan?

– Bu son nechta raqamdan iborat?

– Bu son qaysi sinfga kiradi?

7. Ushbu sonlardan keyin keladigan sonlarni ayting: 9, 99, 999, 9999, 99999, 999999,





**Yodda tuting!** 999999 sonidan so'ng million soni keladi. Bu son bunday yoziladi: 1 000 000.  
Mingta ming – bu bir millionni tashkil qiladi.

8. Yozing:

100 ming – 100 000

200 ming – 200 000

— — — — —

— — — — —

1000 ming – 1 000 000

9. Quyidagi sonlarni raqamlar bilan yozing:

a) 4 ming. – 4000

20 ming.

500 ming.

b) 235 ming 600 bir. – 235 600

143 ming 401 bir.

523 ming 320 bir.

d) 15 ming 8 bir. – 15008

40 ming 106 bir.

700 ming 90 bir.

e) 240 ming 5 bir. – 240005

600 ming 600 bir.

503 ming 28 bir.

10. 1) Sonlarni o'qing, har bir sonning xona birliklarini aniqlang va ularni quyidagicha sinflarga ajrating:

$\overbrace{600}^{\text{ming}} \overbrace{000}^{\text{yuz}}$ ; 207 132; 160 200; 327 002; 327020; 32700  
quyidagi sonning xona birliklarini.

2) 5 yuz ming, 4 ta o'n ming, 3 ta ming –  $\overbrace{543}^{\text{ming}} \overbrace{000}^{\text{yuz}}$   
6 yuz ming, 8 ta ming, 5 ta yuz, 3 ta o'n  
9 yuz ming, 5 ta o'nlik, 9 ta birlik.

11. Xona birliklari yig'indisini hosil qiling:

**Namuna:**

$$300\,000 + 20\,000 + 8\,000 + 100 + 40 + 5 = 328\,145$$

8 raqami qaysi sinf, qaysi xona birligini tashkil etmoqda?

$$400\,000 + 80\,000 + 6\,000 + 20 + 7 =$$

$$50\,000 + 8\,000 + 300 + 1 =$$

$$20\,000 + 60 =$$

$$70\,000 + 30\,000 + 5\,000 =$$

$$100\,000 + 50\,000 + 800 + 30 =$$

12. Qo'shiluvchilar qatoridagi yetishmayotgan xona birliklarini toping.

a)  $27183 = 20\,000 + 7\,000 + \dots + \dots + 3$

$$85\,609 = 80\,000 + \dots + \dots + \dots$$

$$30\,724 = \dots + 700 + \dots + \dots$$

b)  $150\,643 = 100\,000 + \dots + 600 + \dots + \dots$

$$321\,809 = 300\,000 + 20\,000 + \dots + \dots + 9$$

$$503\,140 = 500\,000 + \dots + \dots + 40$$

$$702\,050 = \dots + 2000 + \dots$$

$$300\,007 = \dots + \dots$$

$$440\,300 = \dots + \dots + 300$$

13. Yig'indini toping. Kerakli joylarda qo'shiluvchilar o'rnini almashtiring.

$$7\,000 + 206$$

$$6\,002 + 340$$

$$630 + 2\,001$$

$$19 + 8\,400$$

$$4\,040 + 805$$

$$28 + 5\,100$$

$$4\,000 + 137$$

$$3\,700 + 4$$

$$4 + 6\,020$$

14. Ayirmani toping:

3 245–3 000	8 735–5	4 341–301
2 106–106	6 320–6 300	4 213–10
8 492–400	4 853–853	5 687–5 087

15. Sonlarni taqqoslang,  $>$ ,  $<$  belgilaridan mosini qo'ying:

301 312 ... 98 999	99 998 ... 100 000
400 600 ... 195 800	10 000...800 407
100 000 ... 60 000	524 000 ... 52 400
270 835 ... 2 079 000	603 010 ... 630 010

16. Sonlarni o'qing. Qatordagi eng katta sonlarni ayting, ularni kamayib borish tartibida yozing:

- a) 285 324; 689 000; 139 498;
- b) 500 207; 303 003; 50 899; 505 000;
- d) 600 000; 932 480; 93 845; 660 00.

17. Sonlarni o'qing. Qatordagi eng kichik sonni ayting, ularni ortib borish tartibida yozing:

- a) 998; 9 900; 99; 100 000;
- b) 100 010; 11 001; 101 000; 10 100;
- d) 40 400; 40 004; 44 000; 400 000.

18. Qo'shib sanang va yozing:

25, ...;	...;	...;	...;	...;	200;
250, ...;	...;	...;	...;	...;	2000;
2500, ...;	...;	...;	...;	...;	20 000;

5 000	...	...	...	...	...	200 000;
50 000	...	...	...	...	...	1 000 000.

19. Sonlarni xona qo‘shiluvchilari yig‘indisi ko‘rinishida yozing:  
4 378, 59 793, 161 210, 193 003, 290 001.

20. Omborga birinchi kuni 250 000 kg, ikkinchi kuni birinchi kundagidan 8 000 kg ortiq bug‘doy keltirildi. Omborga shu ikki kunda necha kilogramm bug‘doy keltirilgan?

21. Sonlarni o‘qing: 34 980, 404 616, 810 243. Birinchi va ikkinchi sinf xona birliklarini ayting.

22. Ustunlardagi sonlar qanday o‘zgardi?

Qaysi xona birligi qo‘shib yozildi?

998	420 998	249 998	699 998	999 998
999	420 999	249 999	699 999	999 999
<b><u>1 000</u></b>	<b><u>421 000</u></b>	<b><u>250 000</u></b>	<b><u>700 000</u></b>	... ..

23. Ustundagi son tagiga ortib borish tartibida ikkitadan son yozing:

9 998	39 998	401 998
.....	.....	.....
.....	.....	.....
349 998	500 998	204 098
.....	.....	.....
.....	.....	.....

**24.** Kamayib borish tartibida yozing:

a) 10 taga kamaytiring: 1 340, 1 330, ..., ...;

b) 100 taga kamaytiring: 82 356, ..., ...;

d) 1000 taga kamaytiring: 82 356, ..., ...;

e) 10000 taga kamaytiring: 82 356, ..., ...;

f) 100000 taga kamaytiring: 823 560, ..., ...

**25.** Qo'shni sonlarni yozing:

..., 1 610, ... . | ..., 3 000, ... . | ..., 19 999, ... .

..., 20 009, ... . | ..., 759 999, ... . | ..., 310 000, ... .

**26.** Sonlarni xona qo'shiluvchilari yig'indisi ko'rinishida yozing:

275 952, 610 534, 199 850, 145 345.

**27.** Sonlarni o'qing: 64 791, 401 616, 510 452. Birlar sinfining ostiga bitta, minglar sinfining ostiga ikkita chiziqcha chizing.

**28.** Berilgan sonlarni o'sish tartibida yozing:

5 861, 67 845, 979 611, 39 488, 851 109.

**29.** Ushbu sonlarni raqamlar bilan yozing:

a) besh yuz to'qson to'qqiz;

b) sakkiz yuz ming qirq ikki;

d) yetti ming oltmish sakkiz;

e) ellik besh ming yetmish yetti.

30. Xona birliklari yig'indisi bo'yicha sonni yozing:

**Namuna:**

$$100\,000 + 50\,000 + 3\,000 + 600 + 20 + 5 = 153\,625$$

$$30\,000 + 600 + 50 + 4$$

$$90\,000 + 9\,000 + 80 + 4$$

$$70\,000 + 4\,000 + 500 + 50$$

$$300\,000 + 40\,000 + 1$$

$$500\,000 + 2\,000 + 600 + 60 + 9$$

$$90\,000 + 800 + 7$$

31. Jadvalni ko'rib chiqing va unda yozilgan sonlarni o'qing.

3-sinf – millionlar sinfi			2-sinf – minglar sinfi			1-sinf – birlar sinfi		
Xonalar								
9	8	7	6	5	4	3	2	1
yuz mlnlar	o'n mlnlar	bir mlnlar	yuz minglar	o'n minglar	bir minglar	yuz-lar	o'nlar	birlar
						1	2	5
					3	6	1	5
				7	8	9	0	1
			8	9	1	0	0	0
		1	0	0	0	0	0	0

Jadvaldagi bir raqamlari qaysi xona birligini bildiradi?

32. Sonni to'g'ri o'qish uchun uni sinflarga ajratib yozing:

Masalan,  $\overbrace{27\,740}$ ,  $\overbrace{740\,065}$ :

35 938

175 036

80 032

300 082

232 729

800 396

342 402

809 003

807 013

390 014

464 342

1 000 000

Bu sonlarning har biri qaysi sinfga tegishli va unda qaysi xonalar borligini ayting.

33. Quyidagi sonlarni yozing:

**Namuna:** 4 ta ming, 8 ta yuz, 5 ta bir – 4805.

5 ta ming, 7 ta yuz, 8 ta o'n, 3 ta bir

6 ta o'n ming, 8 ta ming, 5 ta yuz, 7 ta bir

3 ta ming, 6 ta yuz, 7 ta o'n, 4 ta bir

9 ta yuz ming, 8 ta bir

34. Sonlarni xona qo'shiluvchilariga ajrating:

**Namuna:**  $37\,625 = 30\,000 + 7\,000 + 600 + 20 + 5$

58 693

285 170

175 602

400 500

272 194

290 180

907 005

978 060

35. Sonlarni xona birliklari yig'indisi ko'rinishida yozing:

45 164

594 608

173 507

57 800

19 650

74 024

24 004

500 134

7 890

340 810

701 502

400 029

36. 2947 dan 2951 gacha, 15409 dan 15415 gacha, 706896 dan 706901 gacha natural sonlarni yozing.

37. Taqqoslang,  $>$ ,  $=$ ,  $<$  belgilaridan mosini qo'ying:

95 000...9 546

375 148...375 148

7 254...7 354

40 800...40 080

15 130...15 030

54 600...54 060

34 000...34 000

72 009...72 090

38. Quyidagi sonlarni xona qo'shiluvchilariga ajrating:

**Namuna:**  $803 = 800 + 3$

53709	50060	930001
302704	500490	700458
498675	840030	876540

39. Eng katta ikki xonali sonni yozing.  
Eng katta uch xonali sonni yozing.  
Eng katta besh xonali sonni yozing.  
Eng katta olti xonali sonni yozing.

### RIM RAQAMLARI

40. Yangi yil, Vatan himoyachilari kuni, Konstitutsiya kuni, Navro'z bayrami kunlarini rim raqamlari bilan ifodalang.
41. a) Quyidagi sonlarni rim raqamlari bilan yozing:  
1, 4, 3, 8, 5, 6, 10, 9, 15, 17, 14, 20, 22, 25, 23, 29, 30, 35.  
b) Oylarni rim raqamlari bilan yozing.  
d) Sonlarni tartib bilan yozing:  
VII, X, IX, V, IV, III, VI, XIII, XXV, XXX
42. Cho'plarning o'rnini almashtirish bilan to'g'ri tenglik hosil qiling:  $XIII = VIII + V$      $VII = V + II$
43. Quyidagi sonlarni rim raqamlari bilan yozing:  
10; 5; 15; 9; 19; 29; 7; 17; 11; 23; 16; 8; 12; 30; 34.



## KALKULATOR BILAN ISHLASH

Sonni kalkulatorlarda yozish uchun yuqori xona birligidan boshlab ushbu sondagi barcha raqamlar tartib bilan teriladi.

Masalan: kalkulatorlarda 280139 ni yozish uchun raqamlar yozilgan tugmalarni quyidagi ketma-ketlikda terish kerak:

**2** **8** **0** **1** **3** **9**



Kalkulatorlarda boshqa sonni terish uchun kalkulator tablosidan oldingi son o'chirib tashlanadi. Sonni o'chirish **C** tugmani bosish bilan amalga oshiriladi.

Ko'p turdagi kalkulatorlarda **C** tugma qizil rang bilan ajratilgan bo'ladi. Sonni o'chirish uchun ba'zi kalkulatorlarda

**C/AC** yoki **AC** belgili tugmalardan foydalaniladi.

44. Kalkulatorlarda quyidagi sonlarni tering:

1) 1 245; 30 000; 805 006; 900 000; 350 35; 1 000 000

2) Kalkulator tablosidagi har bir sonni o'qing:

**680 000**

**82 000**

**100 100**

**211 132**

**423 000**

45. Kalkulatorga quyidagi sonlarni tering va o'qing:

1 o'nlik

1 o'n ming

1 yuz ming

1 yuz

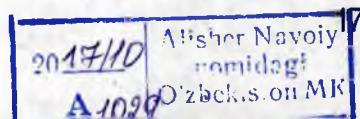
1 ming

1 million



## MUSTAQIL ISH UCHUN TOPSHIRIQLAR

- 289145; 360207 sonlarini xona qo'shiluvchilariga ajrating.
- Xona qo'shiluvchilaridan son hosil qiling:  
 $500\,000 + 60\,000 + 7\,000 + 300$   
 $800\,000 + 3\,000 + 100 + 20 + 7$
- Sonlarni tartib bilan:  
697997 dan 698002 gacha bir birlik qo'shib;  
532600 dan 633000 gacha yuztadan qo'shib yozing.
- Quyidagi sonlardan oldin va keyin keladigan sonlarni yozing:  
..., 145279, ...;                      ..., 100000, ...;  
..., 803450, ...;                      ..., 403001, ...
- Sonlarni taqqoslang:  
 $359\,680 \dots 350\,690$ ;                       $603\,407 \dots 604\,000$ ;  
 $108\,002 \dots 108\,200$ ;                       $100\,000 \dots 999\,999$ .
- Qatordagi sonlar nechtaga kamayyapti?  
 $247\,500$ ;  $247\,250$ ;  $247\,000$ ;  $246\,750$ ;  $246\,500$ .
- $609\,000$  soni  $600\,000$  dan nechtaga katta?  
10 soni 1000 dan nechtaga kichik?
- Quyidagi xona birliklaridan iborat bo'lgan sonlarni yozing:  
3 yuz ming 5 o'n ming 8 yuz =  
5 yuz 6 o'n 9 bir =  
3 yuz ming 4 ming 5 yuz 3 o'n =  
9 o'n ming 8 yuz 5 bir =





## KO'P XONALI SONLARNI QO'SHISH VA AYIRISH

### SONLARNI OG'ZAKI QO'SHISH VA AYIRISH

46. Qo'shish va ayirishda hosil bo'lgan sonlar nima deb ataladi?

Misollarni ko'ring. Yig'indi va ayirmani o'qing.

$$12\,000 + 15\,000 = 27\,000$$

$$630\,000 - 120\,000 = 510\,000$$



Besh xonali, olti xonali sonlarni og'zaki qo'shish va ayirish to'rt xonali sonlar kabi yuqori sinf xona birligidan boshlab bajariladi.

47. Misollarni yeching:

$4\,600 + 2\,100$

$5\,400 - 2\,100$

$280\,000 - 130\,000$

$52\,000 + 13\,000$

$54\,000 - 21\,000$

$487\,000 + 200\,000$

$27\,000 + 11\,000$

$54\,000 - 21\,000$

$580\,000 + 110\,400$

$70\,000 + 20\,000$

$38\,000 - 12\,000$

$169\,000 - 69\,000$

48. Qo'shishni yeching:

$450 + 550$

$250 + 400 + 350$

$1\,325 + 275 + 250$

$525 + 175$

$450 + 450 + 55$

$115 + 685 + 160$

$830 + 170$

$750 + 25 + 125$

$92\,425 + 350 + 150$

$8\,635 + 26$

$540 + 360 + 100$

$560 + 140 + 273$

49. Ayirishni og'zaki yeching:

$500 - 350$

$600 - 120$

$700 - 366$

$1000 - 270$

$820 - 230$

$750 - 170$

$830 - 440$

$610 - 260$

$200 - 135$

$800 - 263$

$453 - 60$

$523 - 80$

50. Ko'rsatilgan ishoraga ko'ra qo'shish va ayirishga doir misollar tuzing:

$$\begin{array}{cc} 28600 & 130300 \\ 149300 & 11000 \end{array}$$

$$\begin{array}{cc} 43070 & 51000 \\ 27000 & 3000 \end{array}$$

### KALKULATOR YORDAMIDA QO'SHISH VA AYIRISH

51. Qo'shish va ayirishni kalkulator yordamida bajaring:

$27000 + 12000$

$193200 - 101000$

**Amallarni kalkulatorida bajarish tartibi:**

1) Amaldagi birinchi son kalkulatorida teriladi;

2) Misoldagi ishoraga ko'ra kalkulatoridagi  $+$  yoki

$-$  tugmachasi bosiladi;

$27000 + 12000 =$

3) Amaldagi ikkinchi son teriladi;

$193200 - 101000 =$

4)  $=$  tugmachasi bosiladi.

Tabloda yechilgan misol natijasi hosil bo'ladi.

**52.** Misollarni avval og'zaki yeching va natijasini daftarin-gizga yozing, so'ng misol yechimi to'g'riligini kalkulator orqali tekshiring:

$28 + 64$	$24\,000 + 3\,000$	$430\,000 + 320\,000$
$82 - 35$	$78\,000 - 36\,000$	$605\,000 - 600\,000$
$6\,400 - 5\,100$	$90\,700 + 5\,003$	$784\,073 - 84\,003$

**53.** Misollarni kalkulatorida yeching:

$3\,282 + 1\,364$	$12\,546 + 21\,687$	$4\,235 - 2\,128$
$2\,785 + 6\,209$	$48\,693 + 36\,577$	$3\,716 - 1\,025$
$9\,430 + 8\,691$	$30\,028 + 69\,972$	$9\,839 - 3\,927$
$6\,264 + 1\,367$	$53\,915 + 27\,196$	$5\,645 - 4\,278$
$21\,435 - 12\,372$	$38\,643 - 25\,936$	$72\,105 - 25\,203$

**54.** Misollarni og'zaki yeching, natijasini kalkulatorida tekshiring:

a) $2\,005 + 60\,000 + 31\,500$	$250 + 380\,000 + 7\,000$
$38\,000 + 24\,000 + 27$	$530\,000 + 240\,000 + 123$
b) $68\,395 - 95 - 8\,000$	$387\,637 - 30 - 300\,000$
$57\,000 - 7\,000 - 50\,000$	$970\,000 - 60\,000 - 300\,000$
d) $3\,189 + 321 + 5\,067$	$3\,706 - 2\,859 - 508$
$8\,253 + 1\,042 + 596 + 39$	$6\,021 - 3\,950 - 178$

## SONLARNI USTUN USULIDA QO'SHISH

Olti xonali sonlarni ustun usulida qo'shish to'rt va besh xonali sonlarni ustun usulida qo'shish kabi bajariladi.

**Eslang: Yig'indi ustun usulida yechilsa, qo'shish amali qaysi xona birligidan boshlanadi?**

$$458067 + 312838$$

**Yig'indi ustun usulida quyidagi tartibda hisoblanadi:**

$$\begin{array}{r} 458067 \\ + 312838 \\ \hline 770905 \end{array}$$

1-qadam. Birliklar qo'shiladi

2-qadam. O'nliklar qo'shiladi

3-qadam. Yuzliklar qo'shiladi

4-qadam. Mingliklar qo'shiladi

5-qadam. O'n mingliklar qo'shiladi

6-qadam. Yuz mingliklar qo'shiladi

Demak,  $458067 + 312838 = 770905$



**Yodda tuting:** Qo'shiluvchilarning o'rne almashtirilsa, yig'indi o'zgarmaydi.

**55.** Yig'indini toping:

$$628465 + 258568$$

$$517787 + 85035$$

$$350006 + 483084$$

$$787400 + 86850$$

$$\begin{array}{r} 70\,800 + 230\,506 \\ 400\,896 + 70\,164 \end{array}$$

$$\begin{array}{r} 70\,080 + 209\,400 \\ 184\,909 + 346\,791 \end{array}$$

56. Namangan viloyati sihatgohida o'tgan yili 24 185 nafar, bu yil esa unga qaraganda 7 496 nafar ortiq kishi dam oldi. Ikki yil davomida necha nafar kishi dam oldi?
57. Misollarni namuna asosida yeching:

$$\begin{array}{r} 25068 \\ + 9630 \\ \hline 342 \\ \hline 35040 \end{array}$$

$$542 + 25\,088 + 9\,630$$

$$67\,283 + 594 + 8\,637$$

$$543 + 8\,607 + 25\,049$$

$$3\,649 + 54\,187 + 36 + 5\,406$$

$$5\,610 + 182 + 42 + 518\,901$$

$$623 + 4\,250 + 71 + 546\,049$$

58. Parrandachilik fermasida 665 ta xo'roz va undan 23 006 ta ortiq tovuqlar bor. Fermada jami nechta parranda bor?
59. Yig'indini toping. Qo'shiluvchilar o'rinlarini almashtiring va misollarni yeching:

$$631\,169 + 115\,112$$

$$539\,111 + 400\,001$$

$$810\,052 + 100\,001$$

$$735\,006 + 123\,123$$

$$454\,437 + 362\,223$$

$$114\,453 + 449\,981$$

Chiqqan yig'indilar haqida nima deyish mumkin?

60. Shaxmat musobaqalari g'oliblari uchun shahar hokimiyati tomonidan I o'ringa 250 500 so'm, II o'ringa 200 000 so'm, III o'ringa esa 150 500 so'm pul mukofoti ajratildi. Uchta o'ringa hammasi bo'lib necha so'm pul ajratildi?

## SONLARNI USTUN USULIDA AYIRISH

### Eslang:

- a) Ayirishda qatnashayotgan sonlar qanday nom bilan ataladi?
- b) Ayirishda hosil bo'lgan son nima deb ataladi?
- d) Olti xonali (ko'p xonali) sonlarni ustun usulida ayirish to'rt va besh xonali sonlarni ustun usulida ayirish kabi bajariladi. Ayirma ustun usulida yechilsa, ayirish amali qaysi xona birligidan boshlanadi?

658645 – 475293



**Ayirma ustun usulida quyidagi tartibda hisoblanadi:**

$$\begin{array}{r} \overset{\cdot}{6}\overset{\cdot}{5}8645 \\ - 475293 \\ \hline 183352 \end{array}$$

1-qadam. Birliklar ayiriladi

2-qadam. O'nliklar ayiriladi

3-qadam. Yuzliklar ayiriladi

4-qadam. Mingliklar ayiriladi

5-qadam. O'n mingliklar ayiriladi

6-qadam. Yuz mingliklar ayiriladi

Demak,  $658645 - 475293 = 183352$



61. Ayirmani toping:

<b>Namuna:</b> $\begin{array}{r} \overset{\cdot}{6}\overset{\cdot}{1}\overset{\cdot}{2}\overset{\cdot}{8}\overset{\cdot}{5}\overset{\cdot}{4} \\ - \quad 58697 \\ \hline 554157 \end{array}$	$174\,546 - 98\,063$	$874\,625 - 146\,297$
	$435\,482 - 302\,165$	$432\,548 - 36\,685$
	$362\,581 - 150\,365$	$624\,735 - 89$
	$134\,761 - 9\,468$	$512\,642 - 8\,056$

62. Misollar yechimini namunalar asosida tushuntiring:

$\begin{array}{r} \overset{\cdot}{6}00000 \\ - \quad 124527 \\ \hline 475473 \end{array}$	$\begin{array}{r} \overset{\cdot}{3}\overset{\cdot}{1}\overset{\cdot}{0}\overset{\cdot}{9}00 \\ - \quad 216073 \\ \hline 94827 \end{array}$	$\begin{array}{r} \overset{\cdot}{7}\overset{\cdot}{1}\overset{\cdot}{0}\overset{\cdot}{0}\overset{\cdot}{1}0 \\ - \quad 54235 \\ \hline 655775 \end{array}$
---	---	--

63. Uy qurilishiga ertalab 28480 ta, kechqurun undan 10725 ta kam g'isht keltirildi. Bir kunda hammasi bo'lib nechta g'isht keltirildi?

64. Misollarni yeching:

$\begin{array}{r} 348\,256 \\ - 154\,132 \\ \hline \end{array}$	$\begin{array}{r} 671\,986 \\ - 542\,774 \\ \hline \end{array}$	$\begin{array}{r} 435\,268 \\ - 221\,300 \\ \hline \end{array}$	$\begin{array}{r} 843\,468 \\ - 251\,282 \\ \hline \end{array}$
---	---	---	---

65. Bir issiqxonada 150 500 ta pomidor ko'chati, ikkinchi issiqxonada esa unga qaraganda 70 250 ta kam bulg'ori qalampir ko'chati sotuvga chiqarildi. Hammasi bo'lib necha tup ko'chat sotuvga chiqarildi?

66. Qaysi misollarda xatoliklarga yo'l qo'yilgan? To'g'rilab yeching:

$\begin{array}{r} \text{a) } 42030 \\ - 38764 \\ \hline 4376 \end{array}$	$\begin{array}{r} \text{b) } 70543 \\ - 64700 \\ \hline 5843 \end{array}$	$\begin{array}{r} \text{d) } 470310 \\ - 341963 \\ \hline 128347 \end{array}$	$\begin{array}{r} \text{e) } 801605 \\ - 643809 \\ \hline 167695 \end{array}$
---	---	---	---



**Eslang!**

Agar ayirmaga ayriluvchi qo'shilsa, kamayuvchi hosil bo'ladi:

$\begin{array}{r} 470310 \\ - 341963 \\ \hline 128347 \end{array}$	$\begin{array}{r} 128347 \\ + 341963 \\ \hline 470310 \end{array}$
--	--

67. Toshkent bilan Buxoro shaharlari orasidagi masofa 651 km. Poyezd 301 km yo'l bosgan bo'lsa, yana necha kilometr yo'l yurishi kerak?

68. Misollarni yeching. Ayirma to'g'riligini qo'shish bilan tekshiring:

<b>Namuna:</b>		
$\begin{array}{r} 800915 \\ - 200275 \\ \hline 600640 \end{array}$	$\begin{array}{r} 600640 \\ + 200275 \\ \hline 800915 \end{array}$	$682005 - 518972$
		$385100 - 4351$
		$710057 - 183149$
		$157000 - 132439$

69. Oyoq kiyim qo'shma korxonasida 300 000 juft krossovka ishlab chiqildi. Uning 120 680 jufti erkaklar krossovkalari, unga qaraganda 14 096 juft kam bolalar krossovkalari,

qolganlari esa ayollar krossovkalaridir. Qo'shma korxonada ayollar krossovkalaridan necha juft ishlab chiqdi?

70. Misollar yechimidagi xatolarni toping va to'g'rilang:

$$\begin{array}{r|l} + 539 & + 67700 \\ + 225 & + 5843 \\ \hline 755 & 63543 \end{array} \quad \begin{array}{r|l} - 42030 & - 864804 \\ - 38764 & - 234739 \\ \hline 3276 & 630165 \end{array}$$

71. To'qimachilik korxonasida birinchi kuni 216850 ta ip o'rami o'raldi. Ikkinchi kuni esa 9070 ta kam ip o'rami tayyorlandi. Uchinchi kuni esa ikkinchi kundagiga qaraganda 500 ta ko'p ip o'rami o'raldi. Uch kunda hammasi bo'lib necha o'ram ip o'raldi?

72. Ayirmani toping:

$$\begin{array}{ll} \text{a) } 486595 - 323804 & 968015 - 98405 \\ 742600 - 58340 & 154200 - 76090 \\ 230454 - 199804 & 93100 - 92906 \end{array}$$

$$\begin{array}{ll} \text{b) } 350070 - 38007 & 804300 - 75045 \\ 567180 - 37065 & 520408 - 176816 \\ 200000 - 38602 & 100013 - 96708 \end{array}$$

73. Misollar tuzing va amallarni bajaring:

a) 42578 ni 6735

8204 ni 817789

85085 ni 18040

235005 ni 3796

ta orttiring

- b) 62000 ni 3408  
95003 ni 75032  
127005 ni 3793  
405100 ni 89109

ta kamaytiring

74. Chimyon dam olish bazasida 1215 nafar turist dam olmoqda. Dam olish kuni ular safi 2000 taga yetdi. Dam olish kuni necha nafar turist kelib qo'shilgan?

75. Ustun shaklida yozib hisoblang:

$$628465 + 258568$$

$$350006 + 483084$$

$$517787 + 85035$$

$$787400 + 86850$$

$$70800 + 230506$$

$$7080 + 209400$$

$$400896 + 70164$$

$$184909 + 346791$$

76. Sport inshooti qurish uchun 12340 ta beton g'isht keltirildi. Bir oydan so'ng yana 8609 ta beton g'isht keltirildi. Ikkinchi oyda birinchi oydagiga qaraganda nechta kam beton g'isht keltirildi?

77. Ayirmani toping:

$$486595 - 329804$$

$$968015 - 98405$$

$$742600 - 58340$$

$$154200 - 76090$$

$$230454 - 199804$$

$$93100 - 92906$$

$$350070 - 38007$$

$$804300 - 75045$$

$$567180 - 37065$$

$$520408 - 176816$$

$$200000 - 38602$$

$$100013 - 96708$$



84. Qo'shma korxonada 340 930 juft paypoq to'qildi. Shundan 196854 jufti bolalar paypoqlari, qolganlari erkaklar paypoqlaridir. Qaysi paypoq turi ko'p to'qilgan va nechtaga ko'p to'qilgan?



### **MUSTAQIL ISH UCHUN TOPSHIRIQLAR**

1. To'qimachilik korxonasida sentabr va oktabr oylarida 81560 m gazlama to'qildi. Shundan 53 025 metri shoyi va qolganlari atlas gazlamadir. Atlasga qaraganda shoyi necha metr ko'p to'qilgan?
2. Misollarni yeching va natijalar to'g'riligini tekshiring:  
 $203759 + 176457$                        $389104 - 283563$   
 $28416 + 720695$                        $173260 - 48518$
3. Yosh oila kreditdan olgan puliga 80190 so'mlik chang-yutgich, undan 25845 so'm qimmatiga kir yuvish mashinasi va 3965 so'mga choynak sotib oldi. Yosh oila kreditga necha so'm pul olgan?
4.  $57291 + 25349$                        $58426 - 16504$   
 $36457 + 5624$                        $82054 - 7265$



## KO'P XONALI SONLARNI KO'PAYTIRISH VA BO'LISH

85. 1) Ko'paytmani toping (og'zaki):

$3 \cdot 5$	$23 \cdot 3$	$120 \cdot 4$	$15 \cdot 2$
$300 \cdot 5$	$230 \cdot 3$	$1200 \cdot 4$	$150 \cdot 2$

2) Bo'linmani toping:

$14 : 2$	$46 : 2$	$100 : 5$	$630 : 3$
$140 : 2$	$460 : 2$	$1000 : 5$	$960 : 3$

86. Misollarni yeching (og'zaki):

1) $112 \cdot 4$	$5000 \cdot 3$	$800 \cdot 4$	$361 \cdot 2$
$106 \cdot 2$	$24000 \cdot 2$	$702 \cdot 3$	$405 \cdot 1$
$250 \cdot 2$	$12300 \cdot 3$	$811 \cdot 2$	$203 \cdot 3$
2) $2488 : 2$	$800 : 4$	$360 : 6$	$1000 : 2$
$8600 : 2$	$2400 : 8$	$408 : 4$	$1000 : 4$
$5000 : 5$	$728 : 8$	$900 : 9$	$1000 : 5$

87. Nol bilan tugagan yaxlit sonlarga ko'paytirishni eslang:

$16 \cdot 10$	$20 \cdot 100$	$10 \cdot 607$	$800 \cdot 0$
$287 \cdot 100$	$100 \cdot 10$	$1000 \cdot 39$	$926 \cdot 100$
$53 \cdot 1000$	$801 \cdot 1000$	$100 \cdot 100$	$1000 \cdot 1$
$8041 \cdot 100$	$10 \cdot 6302$	$500 \cdot 10$	$10 \cdot 2070$

88. Nol bilan tugagan yaxlit sonlarga bo'lishni eslang:

$740 : 10$	$13800 : 10$	$70000 : 1000$
$7800 : 100$	$75300 : 100$	$83700 : 10$
$35000 : 1000$	$10000 : 1000$	$28800 : 100$

89. Yaxlit o'nlik, yuzlik, mingliklarga ko'paytirishni eslang:

$560 \cdot 30$

$125 \cdot 50$

$17 \cdot 500$

$12 \cdot 3000$

$500 \cdot 60$

$75 \cdot 30$

$24 \cdot 300$

$82 \cdot 4000$

$120 \cdot 40$

$130 \cdot 50$

$210 \cdot 400$

$15 \cdot 2000$

90. Yaxlit o'nlik, yuzlik, mingliklarga bo'lishni eslang:

$640 : 20$

$7200 : 800$

$54000 : 9000$

$960 : 30$

$1200 : 400$

$64000 : 2000$

$770 : 70$

$4500 : 500$

$32000 : 4000$

$630 : 70$

$9000 : 900$

$15000 : 5000$

91. 1) Ko'p xonali sonlarni bir xonali songa, yaxlit o'nliklarga va ikki xonali sonlarga ko'paytirishni taqqoslang:

$$\begin{array}{r} 7032 \\ \times \quad 5 \\ \hline 35160 \end{array}$$

$$\begin{array}{r} 7032 \\ \times \quad 50 \\ \hline 351600 \end{array}$$

$$\begin{array}{r} 7032 \\ \times \quad 53 \\ \hline 21096 \\ + 35160 \\ \hline 372696 \end{array}$$

Ko'p xonali sonlarni ikki xonali songa ko'paytirish qoidasini eslang.

2) Ko'paytmani toping:

$8326 \cdot 3$

$7214 \cdot 8$

$212180 \cdot 4$

$341726 \cdot 2$

$3200 \cdot 5$

$8720 \cdot 6$

$113600 \cdot 7$

$117800 \cdot 5$

$6070 \cdot 6$

$60090 \cdot 7$

$320070 \cdot 3$

$110070 \cdot 9$



3) Misollarni yeching:

$28 \cdot 34$	$447 \cdot 68$	$976 \cdot 45$	$1234 \cdot 29$
$35 \cdot 18$	$254 \cdot 40$	$9007 \cdot 60$	$40927 \cdot 43$
$68 \cdot 70$	$109 \cdot 72$	$1148 \cdot 30$	$50409 \cdot 19$
$96 \cdot 77$	$453 \cdot 35$	$1089 \cdot 27$	$62300 \cdot 45$

92. Fermer kartoshka hosilini yig'ib olib, har biri 75 kg li 45 ta qop va har biri 52 kg li 19 ta qopni shaharga sotishga jo'natdi. Fermer necha kilogramm kartoshka yig'ib olgan?

93. 1) Ko'p xonali sonlarni bir xonali songa, ikki xonali songa bo'lish qoidasini eslang. Bo'lish qaysi xona birligidan boshlanadi?

$\begin{array}{r} 9030 \overline{) 7} \\ \underline{7} \phantom{000} \\ 20 \phantom{00} \\ \underline{14} \phantom{0} \\ 63 \\ \underline{63} \\ 0 \end{array}$	$\begin{array}{r} 6720 \overline{) 70} \\ \underline{630} \phantom{0} \\ 420 \\ \underline{420} \\ 0 \end{array}$	$\begin{array}{r} 399600 \overline{) 74} \\ \underline{370} \phantom{00} \\ 296 \\ \underline{296} \\ 0 \end{array}$
---	---	--

2) Bo'linmani toping:

$9572 : 4$	$9760 : 5$	$8572 : 4$	$7404 : 6$
$34050 : 6$	$61032 : 8$	$25300 : 4$	$70866 : 9$
$26400 : 6$	$50800 : 8$	$78570 : 9$	$87570 : 9$

94. Misollarni yeching:

$830 \cdot 20$	$210 \cdot 80$	$420 \cdot 200$	$180 \cdot 60$
$650 \cdot 30$	$512 \cdot 50$	$17 \cdot 500$	$180 \cdot 300$
$500 \cdot 60$	$75 \cdot 60$	$19 \cdot 300$	$15 \cdot 500$

95. Bo'linmani toping:

$7200:20$	$7800:200$	$94000:2000$	$5100:30$
$9600:30$	$7200:300$	$75000:5000$	$2100:900$
$7200:80$	$6500:500$	$48000:3000$	$64000:4000$

96. Parrandachilik fermasida bir sutkada 7805 ta tuxum olinadi. Bir hafta, bir oyda qancha tuxum olinadi?

97. Fabrika mart oyining 13 kunida har kuni 420 t qog'oz, qolgan 18 kunida esa 450 t dan qog'oz ishlab chiqqan. Fabrika mart oyi davomida hammasi bo'lib necha tonna qog'oz ishlab chiqqan?

98. Misollarni yeching:

$$600000 - 590 \cdot 400$$

$$44380:7 + 88888$$

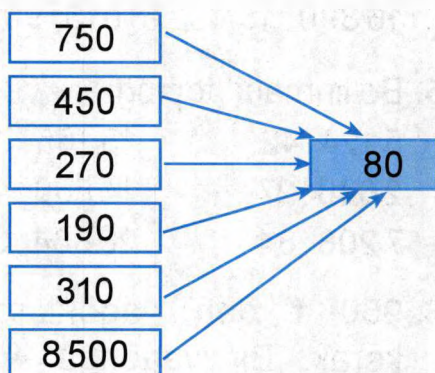
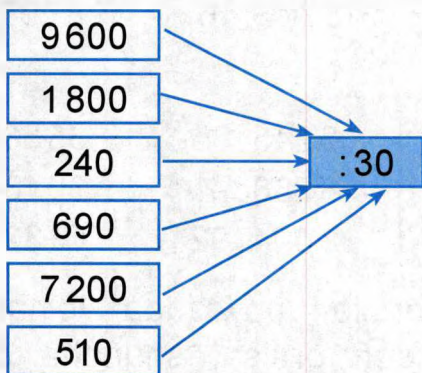
$$567008 - 370 \cdot 500$$

$$61000:100 \cdot 700$$

$$33656:8 + 39999$$

$$700000:1000 \cdot 24$$

99. Misollarni tuzing va yeching:



**100.** Birinchi yuk tashish poyezdi soatiga 40 km tezlik bilan 4 040 km yo'l bosdi. Ikkinchi yuk tashish poyezdi esa soatiga 30 km tezlik bilan 3 600 km yo'l bosdi. Qaysi poyezd ko'proq vaqt yo'l bosdi?

**101.** Ko'paytmani toping:

3 805 · 45	875 · 67	7 294 · 47	1 676 · 89
4 670 · 79	18 706 · 33	42 378 · 19	3 405 · 36
5 760 · 90	5 590 · 70	5 620 · 50	5 079 · 42
15 940 · 30	4 427 · 42	29 368 · 14	28 407 · 30

**102.** Maktab yer uchastkasidan 54 kg qulupnay terib olindi va bir xil og'irlikda 18 ta yashikka joylashtirildi. Har bir yashikdagi qulupnay og'irligini hisoblang.

**103.** «Matiz» avtomobili 1 soatda 64 km yo'l bosdi. Yo'lovchi esa shu vaqtda 16 marta kam yo'l bosdi. Yo'lovchi 1 soatda necha kilometr yo'l bosdi?

**104.** Bo'linmalarni solishtiring hamda  $>$ ,  $<$  belgilaridan mosini qo'ying.

37 350 : 18 ...	164 952 : 12	878 768 : 88 ...	445 500 : 12
16 890 : 15 ...	73 010 : 98	513 776 : 16 ...	198 297 : 99

**105.** Bo'linmani toping:

5 124 : 42	15 155 : 35	8 245 : 85	35 568 : 57
2 646 : 27	14 580 : 45	8 288 : 74	30 134 : 36
7 208 : 34	20 864 : 64	8 004 : 92	13 328 : 28

**106.** 960 t don vagonlarga ortilib, poyezdda jo'natilishi kerak. Bir vagonga 40 t don ortilsa, shuncha donni nechta vagonga ortish mumkin? 60 tonna donni-chi?

107. Bo'linmalarni toping. Bo'lishning to'g'riligini ko'paytirish yordamida tekshiring:

Namuna:	Bo'lish amali:	Tekshirish:
	$\begin{array}{r} 36\overset{1}{1}20 \quad   \quad 12 \\ - \quad 36 \quad \quad   \quad \underline{30}10 \\ \hline \quad \quad 1 \quad \quad   \\ - \quad \quad 0 \quad \quad   \\ \hline \quad \quad 12 \quad \quad   \\ - \quad \quad 12 \quad \quad   \\ \hline \quad \quad \quad 0 \quad \quad   \end{array}$	$\begin{array}{r} 3010 \\ \times \quad 12 \\ \hline + 6020 \\ \hline 3010 \\ \hline 36120 \end{array}$

- |                 |              |              |
|-----------------|--------------|--------------|
| a) 90 108 : 18  | 168 504 : 56 | 52 224 : 24  |
| 245 315 : 35    | 567 504 : 63 | 41 472 : 32  |
| 376 282 : 74    | 13 831 : 87  | 92 340 : 95  |
| b) 291 768 : 12 | 103 444 : 44 | 147 840 : 16 |
| 527 130 : 15    | 254 694 : 11 | 887 500 : 25 |
| 704 286 : 33    | 131 533 : 31 | 801 900 : 11 |

108. Ko'mir bazasiga 1350 t ko'mir keltirildi. Ko'mirning yarmi 15 ta vagonga bir xil miqdorda ortildi. Har bir vagonga ortilgan ko'mir necha tonna?

109. Masala tuzing va yeching:

a) 

22 yashik – 352 kg
34 yashik – ? kg

b) 

25 qop – 1 125 kg
? qop – 1 440 kg

110. Ko'paytmani toping:

23442 · 21	31203 · 12	12 · 42143	26000 · 13
14213 · 22	23014 · 21	31 · 18070	14500 · 34
31211 · 16	25007 · 41	17 · 940	30150 · 16
17152 · 14	16005 · 13	33 · 11274	20700 · 41

111. Do'kon tushgacha 14 quti bo'yoq sotdi, tushdan keyin esa yana 7 ta shunday quti bo'yoq sotdi va ularga jami 18837 so'm pul to'landi. 1 ta bo'yoq qutining narxi qanchaga teng?

112. Namunada bo'lish qanday bajarilganligini tushuntiring. Bo'lishni namunadagidek bajaring va bo'linmadagi belgilar sonini aniqlang.

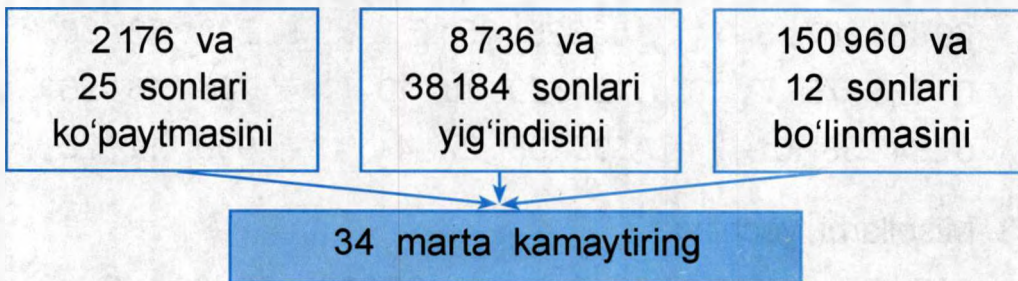
**Namuna:**

$$\begin{array}{r}
 230\overline{)322} \quad | \quad 46 \\
 \underline{-230} \phantom{00} \\
 3 \phantom{00} \\
 \underline{-0} \phantom{00} \\
 32 \\
 \underline{-0} \\
 322 \\
 \underline{-322} \\
 0
 \end{array}$$

144420 : 12	744120 : 24
480765 : 15	496124 : 31
718377 : 11	110132 : 22
151125 : 25	800192 : 16
367570 : 35	893376 : 44

113. Bahorda 6970 tup sabzavot ko'chatlari sotib olindi. 34 ta yashikka bir xil miqdorda joylashtirilib, maktabga olib kelindi. Shundan 15 ta yashikdagi ko'chatlar ekildi. Yana nechta ko'chat ekilishi kerak?


114. Misollar tuzing va ularni yeching:

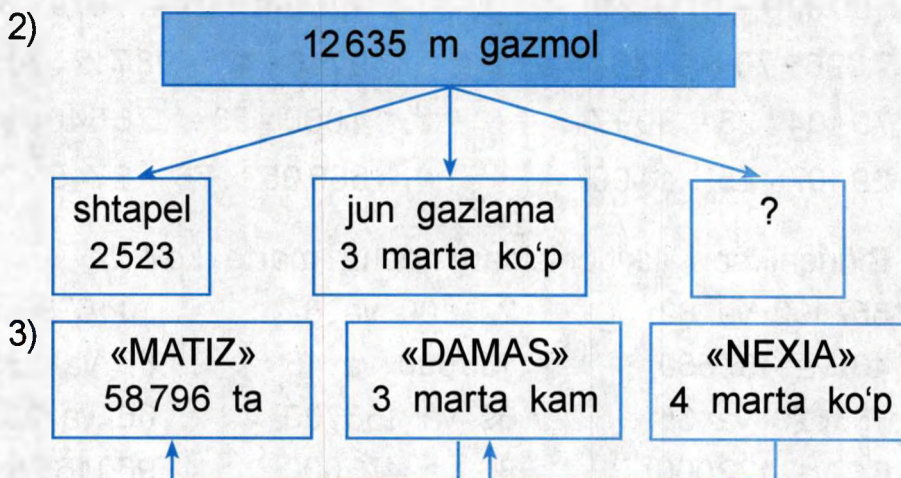


115. 18 gektar maydondan 3 150 sr kartoshka, 14 gektar maydondan esa 2 240 sr kartoshka yig'ib olindi. I maydon bir gektaridan olingan kartoshka II maydon bir gektaridan olingan kartoshkaga qaraganda qanchaga ko'p?

116. Masalalar tuzing va ularni yeching:

- 1) 3 248 kg      4 576 kg

1 ta  → 16 kg bo'lsa, ? yashik kerak.



117. Bo'linmani toping:

$39933 : 87 : 3$

$80325 : 85 : 5$

$208 \quad 72 : 36$

$63525 : 75 : 7$

$127620 : 18 : 10$

$706 \quad 48 : 96$

$6384 : 38 : 6$

$135108 : 27 : 4$

$900 \quad 14 : 28$

118. Misollarni yeching:

$248 \cdot 75 - 16416 : 36$

$30000 - 28420 : 58$

$5022 \cdot 18 + 784 \cdot 68$

$14400 : 19 + 30240$

119. Temirchi usta 6 soatda 72 ta buyum qismiga ishlov berdi. Usta shogird shuncha buyum qismini soatiga 4 ta kamdan ishlov bersa, shogirdga ishni bajarish uchun necha soat vaqt kerak bo'ladi?

120. Do'konga har biri 85 kg dan 125 ta va 72 kg dan 105 ta qop shakar keltirildi. Keltirilgan shakarining umumiy massasini toping.

121.  $100800 - 211824 : 72$

$106542 : 27 + 1079 \cdot 38$

$7096 \cdot 76 - 9746$

$9746 \cdot 47 - 98712 : 36$

$70104 : 23 + 809746$

$4080 \cdot 53 - 176640 : 96$

$29107 \cdot 25 - 14097$

$686052 : 76 - 8745 \cdot 26$

122. Birinchi son ikkinchisidan necha marta ko'p?

$357192 \text{ va } 82$

$221100 \text{ va } 67$

$104078 \text{ va } 26$

$46 \text{ va } 157550$

$130500 \text{ va } 15$

$47 \text{ va } 235141$

$158620 \text{ va } 35$

$69 \text{ va } 158700$

$66 \text{ va } 330132$

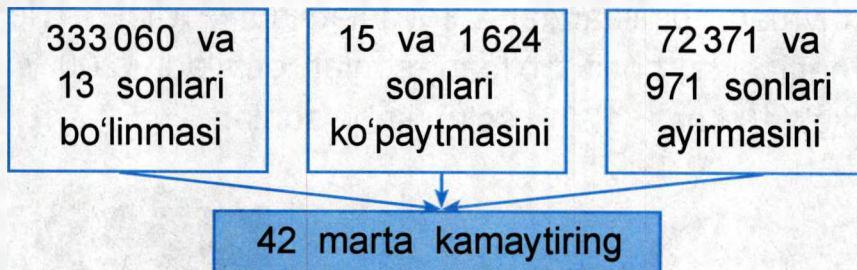
$64 \text{ va } 122000$

$86 \text{ va } 473000$

$960165 \text{ va } 95$

123.  $95076 : 19 + 161138 : 23$   
 $52091 : 13 - 51153 : 28$   
 $3008 \cdot 16 : 32 + 4496$   
 $105600 : 15 \cdot 25 - 99099$   
 $43260 : 14 + 4008 \cdot 16$

124. Misollar tuzing va ularni yeching:



### MUSTAQIL ISH UCHUN TOPSHIRIQLAR

- 22 gektar yerning har bir gektaridan 215 sentnerdan, 15 gektar yerning har bir gektaridan 240 sentnerdan kartoshka yig'ib olindi. Har ikkala xo'jalikdan qancha kartoshka yig'ib olindi?
- Misollarni yeching:
 

$105315 : 15$	$34680 \cdot 13$	$25043 \cdot 46$
$154368 : 32$	$255600 : 18$	$18094 \cdot 23$
- Fabrikada 30840 ta sport kostumi tikildi. Kostumlarning yarmi ko'k rangli, qolganlari esa oq rangli kostumlardir. Tikilgan oq rangli kostumlar soni nechta?
- |                |                 |                |
|----------------|-----------------|----------------|
| $248 \cdot 35$ | $24960 : 24$    | $106 \cdot 23$ |
| $38400 : 12$   | $1214 \cdot 12$ | $16890 : 15$   |
- $231750 : 75 : 15 + 920530 : 65$



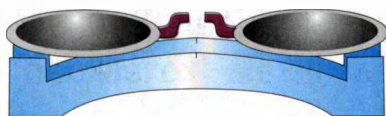


## KATTALIKLARNI O'LGHASH NATIJASIDA HOSIL BO'LGAN SONLAR

125. a) Kattaliklarni o'lchashda uzunlik, massa, vaqt, pul-qiymat birliklaridan foydalaniladi. Ular o'lchash natijasida hosil bo'lgan sonlar deyiladi: 200 sm, 5 kg, 10 soat, 1000 so'm kabi sonlar.



4 sm



500



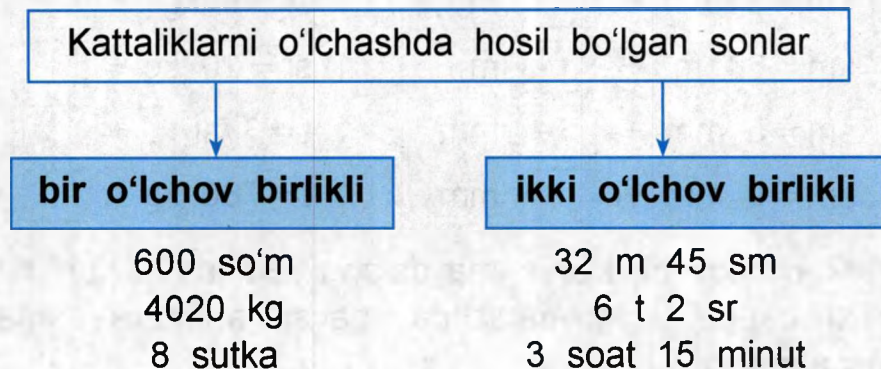
1000

b) Sonlar, shuningdek, narsa miqdorini, hisobni, raqamlar tartibini ifodalaydi: 7; 18 ta nok; 270 ta kitob; 1000 000; 100 000 ta uy va hokazo;

d) Sonlar qatoridan o'lchashda hosil bo'lgan sonlarni ajratib yozing:

200 ta parta, 800 sm, 30 g, 9 soat 15 min, 29 ta ruchka, 340 000 kishi, 80 000 kg, 20 min 6 sek, 8 ta lenta, 609783, 4 sm 2 mm, 10 oy.

126. Kattaliklarni bir yoki ikki o'lchov birligi bilan o'lchash mumkin.



127. Quyidagi sonlar qatoridan ikki o'lchov birlikli sonlarni ajratib yozing:

400 sr; 105 km 200 m; 1 sm 2 mm; 53 yosh, 16 soat, 80 t, 3 soat 12 min; 3 t 500 kg, 1 kg 200 g, 7 oy.

128. Qaysi kattalik o'lchov birliklari ko'rsatilgan? Yozing. Yirik o'lchov birliklarini maydalang.

**Uzunlik o'lchovlari**

1 sm = ... 10 mm

1 m = ... sm

1 dm = ... sm

1 m = ... dm

1 m = ... mm

1 km = ... m

**... o'lchovlari**

1 kg = 1000 g

1 sr = ... kg

1 t = ... sr

1 t = ... kg

**... o'lchovlari**

1 min = 60 sek

1 s = ... min

1 sut = ... soat

1 oy = ... sut

1 yil = ... oy

1 yil = ... sut

129. Namunaga qarab o'lchov birligining mosini qo'ying.

1 m = 82 sm + 18 sm

1 kg = 600 g + 400 g

$1 \text{ m} = 9 \text{ sm} + \boxed{\phantom{00}} \text{ sm}$

$1 \text{ km} = 340 \text{ m} + \boxed{\phantom{00}} \text{ m}$

$1 \text{ km} = 64 \text{ m} + \boxed{\phantom{00}} \text{ m}$

$1 \text{ sm} = 5 \text{ mm} + \boxed{\phantom{00}} \text{ mm}$

$1 \text{ sm} = 9 \text{ mm} + \boxed{\phantom{00}} \text{ mm}$

$1 \text{ kg} = 340 \text{ g} + \boxed{\phantom{00}} \text{ g}$

$1 \text{ sr} = 9 \text{ kg} + \boxed{\phantom{00}} \text{ kg}$

$1 \text{ sr} = 20 \text{ kg} + \boxed{\phantom{00}} \text{ kg}$

$1 \text{ t} = 3 \text{ sr} + \boxed{\phantom{00}} \text{ sr}$

$1 \text{ t} = 780 \text{ kg} + \boxed{\phantom{00}} \text{ kg}$

130. Yirik o'lchov birliklarini maydalang. Buning uchun nimani bilish kerak? Maydalashda qaysi arifmetik amaldan foydalaniladi?

**Namuna:**

$5 \text{ km} = 5000 \text{ m}$

$1 \text{ km} = 1000 \text{ m}$

$1000 \text{ m} \cdot 5 = 5000 \text{ m}$

$7 \text{ km} \quad 280 \text{ m}$

$9 \text{ mm} \quad 016 \text{ m}$

$2 \text{ km } 7 \text{ m}$

$43 \text{ km}$

$3 \text{ m}$

$8 \text{ m } 12 \text{ sm}$

$15 \text{ m}$

$7 \text{ m } 8 \text{ sm}$

$5 \text{ sm}$

$6 \text{ sm } 2 \text{ mm}$

$70 \text{ sm}$

$18 \text{ sm } 3 \text{ mm}$

131. Mayda o'lchov birliklarida ifodalang:

$1 \text{ t} = 1000 \text{ kg}$	$1 \text{ t} = 10 \text{ sr}$	$1 \text{ kg} = 1000 \text{ g}$	$1 \text{ sr} = 100 \text{ kg}$
$7 \text{ t } 162 \text{ kg}$	$1 \text{ t } 8 \text{ sr}$	$4 \text{ kg } 6 \text{ g}$	$30 \text{ sr}$
$8 \text{ t } 5 \text{ kg}$	$80 \text{ t}$	$8 \text{ kg } 15 \text{ g}$	$8 \text{ sr } 4 \text{ kg}$
$4 \text{ t } 36 \text{ kg}$	$12 \text{ t } 6 \text{ sr}$	$25 \text{ kg}$	$7 \text{ sr } 15 \text{ kg}$

132. O'lchashda hosil bo'lgan sonlarni yirikroq o'lchov birliklarida ifodalang.

Buning uchun nimani bilish kerak?

Qaysi arifmetik amaldan foydalaniladi?

**Namuna:**

$$\frac{70000 \text{ g}}{1000 \text{ g}} = 70 \text{ kg}$$

$$1000 \text{ g} = 1 \text{ kg}$$

$$70000 : 1000 = 70$$

$$5000 \text{ m} = \dots \text{ km}$$

$$5270 \text{ m} = \dots$$

$$8032 \text{ m} = \dots$$

$$15006 \text{ m} = \dots$$

$$7000 \text{ sm} = \dots \text{ m}$$

$$613 \text{ sm} = \dots$$

$$208 \text{ sm} = \dots$$

$$2560 \text{ sm} = \dots$$

$$30 \text{ mm} = \dots \text{ sm}$$

$$45 \text{ mm} = \dots$$

$$156 \text{ mm} = \dots$$

$$200 \text{ mm} = \dots$$

133. Yirik o'lchov birliklarida ifodalang:

$$6000 \text{ kg} = \dots \text{ t}$$

$$7185 \text{ m} = \dots \text{ km} \dots \text{ m}$$

$$5063 \text{ g} = \dots \text{ kg} \dots \text{ g}$$

$$17000 \text{ sm} = \dots \text{ m}$$

$$300 \text{ kg} = \dots \text{ sr}$$

$$20130 \text{ g} = \dots \text{ kg} \dots \text{ g}$$

$$70 \text{ sr} = \dots \text{ t}$$

$$125 \text{ sr} = \dots \text{ t} \dots \text{ sr}$$

$$200 \text{ sr} = \dots \text{ t}$$

$$72 \text{ mm} = \dots \text{ sm} \dots \text{ mm}$$

$$2137 \text{ kg} = \dots \text{ sr} \dots \text{ kg}$$

$$80004 \text{ g} = \dots \text{ kg} \dots \text{ g}$$

134. 1) Vaqtni o'lchashda hosil bo'lgan vaqt birliklarini ayting.

2) Vaqt birliklarini qo'ying:

$$1 \dots = 100 \dots$$

$$1 \dots = 12 \dots$$

$$1 \dots = 30 \dots$$

$$1 \dots = 24 \dots$$

$$1 \dots = 60 \dots$$

$$1 \dots = 60 \dots$$

3) Sonlarni taqqoslang,  $>$ ,  $<$ ,  $=$  belgilaridan mosini qo'ying.

7 soat ... 7 min

60 min ... 12 soat

1 sut ... 5 soat

2 soat ... 120 min

1 asr ... 100 yil

13 yil ... 15 sut

60 soat ... 3 min

200 yosh ... 2 asr.

4 oy ... 60 sut

2 soat 40 min ... 170 min

135. Rasmlarda ko'rsatilgan soat vaqtlarini ayting. Soatga qarab kun vaqtlarini: ertalab yoki kechqurun, kun yoki tunni aniqlash mumkinmi?



136. Soat siferblatida 1 va 12 raqamlari bor, lekin sutka 24 soat. Soat 9 **ertalabmi** yoki **kechqurun?**

Sutka boshlanishi – 0 s. Kunduzgi 12 soatdan so'ng soat vaqti 13 (yoki kunduzgi soat 1), undan keyin soat 14 (kunduzgi soat 2) va hokazo.

Jadvalni to'ldiring va eslab qoling:

soat 13 – kunduzgi soat 1

soat 19 – kechqurungi soat ...

soat 14 – kunduzgi soat 2

soat 20 – kechqurungi soat ...

soat 15 – kunduzgi soat ...

soat 21 – kechqurungi soat ...

soat 16 – kunduzgi soat ...

soat 22 – kechqurungi soat ...

soat 17 – kechqurungi soat ...

soat 23 – kechki soat ...

soat 18 – kechqurungi soat ...

soat 24 – kechki soat ...

137. Metroning elektron soatlarida elektropoyezdning jo'nash vaqti ko'rsatilgan. Elektropoyezdni jo'nash vaqtiga qarab ertalab, kunduzi, kechqurun, kechki vaqtlarni aniqlang:

17:00

13:05

06:00

11:08

23:08

09:45

138. 1) Kechasi soat 2, ertalab soat 7, kunduz soat 2, kech soat 7 bo'lsa, sutkaning o'tgan vaqtini aniqlang.

2) Soat 3 dan 9 gacha, 6 dan 12 gacha, 10 dan 18 gacha vaqt oralig'ini aniqlang.

139. 1) Quyosh soat 7 da chiqib, soat 19 da botdi. Kun uzunligini ayting.

2) Darslar soat 8 da boshlanib, 6 soatdan so'ng tugadi. Darslarni tugash vaqtini hisoblang.

3) Basketbol mashqlari 3 soat davom etdi va soat 18 da tugadi. Mashg'ulot soat nechada boshlangan?

140. 1991-yil 1-sentabr O'zbekiston Respublikasi mustaqilligi kuni. Bu yil uni necha yilligini nishonlaymiz?

141. O'zbekiston Davlat Gerbi 1992-yil 2-iyulda qabul qilingan. Shu vaqtdan beri necha yil o'tdi?



142. Masalalar tuzing va yeching:

Hozir ... yil ketayapti, men ... yili tug'ildim. Necha yoshdaman. Hozir ... yil ketayapti. Malik 14 yoshga to'ldi. Malik nechanchi yilda tug'ilgan?

143. Mohinur 2007-yilda tugʻilgan. U nechanchi yilda 15 ga toʻladi?
144. Ulugʻ mutafakkir, shoir, davlat arbobi Alisher Navoiy 1441-yil 9-fevralda tugʻilib, 1501-yil 3-yanvarda vafot etdi. Shoir necha yil yashagan?
145. Metropolitenning Toshkentdagi birinchi yoʻli 1977-yilda ochildi. Shundan beri necha yil oʻtdi?
146. 2008-yili Toshkentda tramvayning birinchi yoʻnalishi ochilganligining 107 yilligi nishonlandi. Toshkent shahrida tramvay nechanchi yildan yura boshlagan?
147. 1) Ishchilarning mehnat taʼtili 24 (36, 48) ish kuniga teng. Agar taʼtilga 16-iyun yoki 27-yanvar kuni ketilsa, ishga tushish vaqtini aniqlang.
- 2) Sportchilar musobaqaga 7-iyunda ketib, 23-iyun kuni qaytdilar. Sportchilar necha kun musobaqada boʻlishgan?

### OʻLCHASHDA HOSIL BOʻLGAN SONLARNI QOʻSHISH VA AYIRISH

**Kattaliklar ustida amallar bir xil oʻlchov birligida amalga oshiriladi:**

$$5 \text{ m} + 150 \text{ m} = 155 \text{ m}$$

$$100 \text{ t} + 300 \text{ t} = 400 \text{ t}$$

$$200 \text{ s} + 45 \text{ s} = 245 \text{ s}$$

148. Misollarni ogʻzaki yeching. Hisoblashni yirik oʻlchov birliklaridan boshlang.

- |                         |                       |
|-------------------------|-----------------------|
| a) 15 m 36 sm + 64 sm   | 13 sm 8 mm + 2 mm     |
| 18 sm 3 mm + 5 sm       | 16 kg 200 g + 800 g   |
| 20 sr 80 kg + 20 kg     | 40 t 3 sr + 15 t      |
| 5 t 160 kg + 2 t 740 kg | 6 m 17 sm + 3 m 23 sm |
| b) 10 m - 9 sm          | 50 sr 3 kg - 3 sr     |
| 8 kg - 800 g            | 80 kg 120 g - 70 g    |
| 2 t - 2 sr              | 1 m - 200 mm          |
| 3 sm - 5 mm             | 7 km - 6 km 100 m     |

149. Sonlarni solishtiring,  $>$ ,  $<$ ,  $=$  belgilaridan mosini qo'ying:

- |                      |                           |
|----------------------|---------------------------|
| 30 m ... 30 sm       | 18 t 3 sr ... 15 t 600 kg |
| 1 kg 15 g ... 1015 g | 41 m 78 sm ... 1 km 3 m   |
| 18 mm ... 1 sm 8 mm  | 8 t 12 kg ... 7120 kg     |
| 1 sr ... 78 kg       | 13 sm ... 50 mm           |

150. Qo'shishni ustun shaklida bajaring. Maydalash va yiriklash usullarini tushuntiring.

**Namuna:**

$$\begin{array}{r}
 24 \text{ m } 16 \text{ sm} \\
 + \\
 35 \text{ m } 93 \text{ sm} \\
 \hline
 59 \text{ m } 109 \text{ sm} = 60 \text{ m } 9 \text{ sm}
 \end{array}$$

- |                            |
|----------------------------|
| 8 sm 9 mm + 6 sm 5 mm      |
| 38 kg 950 g + 17 kg 75 g   |
| 46 sr 8 kg + 35 sr 97 kg   |
| 18 t 6 sr + 6 t 8 sr       |
| 95 so'm + 16 so'm 40 tiyin |
| 52 t 6 kg + 23 t 18 kg     |

151. Sotuvchi tushgacha 8 m 50 sm, tushdan so'ng unga qaraganda 13 m 55 sm ortiq gazlama sotdi. Hammasi bo'lib qancha gazlama sotilgan?



152. Misollarni yeching. Yirik va mayda o'lchov birliklariga aylantirish usullarini tushuntiring.

**Namuna:**  $120\text{ m } 3\text{ sm} - 84\text{ m } 76\text{ sm} = 35\text{ m } 27\text{ sm}$

$$\begin{array}{r} \overset{103}{\bullet} \\ \text{a) } 120\text{ m } 03\text{ sm} \\ - 84\text{ m } 76\text{ sm} \\ \hline 35\text{ m } 27\text{ sm} \end{array}$$

$$\begin{array}{r} \text{b) } 12003\text{ sm} \\ - 8476\text{ sm} \\ \hline 3527\text{ sm} \\ \hline 35\text{ m } 27\text{ sm} \end{array}$$

$50\text{ sr } 27\text{ kg} - 18\text{ sr } 19\text{ kg}$

$170\text{ sr } 4\text{ kg} - 165\text{ sr } 25\text{ kg}$

$90\text{ m} - 87\text{ sm}$

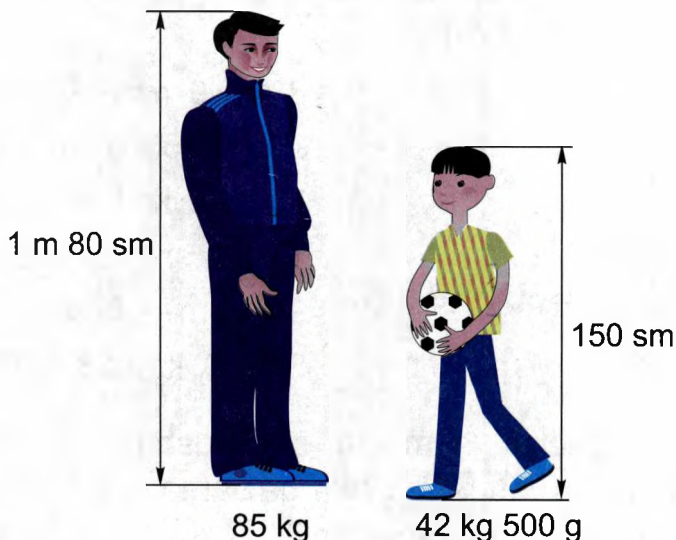
$53\text{ km } 683\text{ m} - 19\text{ km } 735\text{ m}$

$150\text{ kg } 670\text{ g} - 75\text{ kg } 283\text{ g}$

$19\text{ kg } 27\text{ g} - 540\text{ g}$

153. Ota va o'g'il o'z bo'ylari va vaznlarini tarozi va bo'y o'lchagichda o'lchatdilar. Ota va o'g'ilning:

a) bo'yi; b) vazni orasidagi farqni toping.



**154.** Yig'indini toping. Yirik va mayda o'lchov birliklari o'rtasidagi nisbatni eslang:

$127 \text{ t } 835 \text{ kg} + 79 \text{ t } 87 \text{ kg}$	$325 \text{ km } 641 \text{ m} + 85 \text{ m}$
$970 \text{ kg} + 186 \text{ t } 245 \text{ kg}$	$72 \text{ km } 546 \text{ m} + 738 \text{ m}$
$536 \text{ g} + 40 \text{ kg } 507 \text{ g}$	$246 \text{ mm} + 22 \text{ m } 845 \text{ mm}$
$150 \text{ kg } 7 \text{ g} + 119 \text{ g}$	$36 \text{ m } 720 \text{ mm} + 186 \text{ mm}$

**155.** Filning massasi 3 t, tuyaqushniki esa 1 sr. Massadagi farqni toping:

$32 \text{ sm } 8 \text{ mm} + 23 \text{ sm } 99 \text{ mm}$	
$173 \text{ m } 82 \text{ sm} + 86 \text{ m } 19 \text{ sm}$	
$82 \text{ t } 6 \text{ sr} + 7 \text{ sr}$	$98 \text{ sm} + 36 \text{ m } 72 \text{ sm}$
$125 \text{ t } 8 \text{ kg} + 992 \text{ kg}$	$1 \text{ t } 503 \text{ kg} + 113 \text{ t } 89 \text{ kg}$

**157.** Masalalar tuzing va ularni yeching:

a) Hammasi bo'lib

$40 \text{ kg } 260 \text{ g}$	I – $3 \text{ kg } 630 \text{ g}$
	II – $5 \text{ kg } 815 \text{ g}$ ga ko'p
	III – ?

b)  $980 \text{ t}$  don

	I – $350 \text{ t } 68 \text{ kg}$
	II – $28 \text{ t } 40 \text{ kg}$ kam
	III – $154 \text{ t } 850 \text{ kg}$
	IV – ?

**158.** Tikuvchida  $6 \text{ m } 30 \text{ sm}$  gazlama bor edi. Undan ikkita ko'ylak uchun  $4 \text{ m } 50 \text{ sm}$  gazlamani ishlatdi. Qancha gazlama qoldi?

**159.** Misollarni yeching:

$76 \text{ m} - 28 \text{ m } 9 \text{ sm}$	$56 \text{ t } 81 \text{ kg} - 35 \text{ t } 162 \text{ kg}$
$100 \text{ so'm} - 79 \text{ so'm } 16 \text{ tiyin}$	$15 \text{ t } 7 \text{ sr} - 3 \text{ t } 9 \text{ sr}$
$14 \text{ km } 5 \text{ m} - 7 \text{ km } 8 \text{ m}$	$90 \text{ kg } 8 \text{ g} - 79 \text{ kg } 900 \text{ g}$

**160.** To'g'ri burchak shaklidagi uchastkaning uzunligi 30 m 50 sm, eni esa 4 m 25 sm ga kam. Uchastkaning perimetri bo'yicha devor qurishdi. Devor uzunligini toping.

**161.** Ayirmani toping:

$$400 \text{ km } 5 \text{ m} - 308 \text{ km } 14 \text{ m} \qquad 18 \text{ t } 2 \text{ kg} - 356 \text{ kg}$$

$$120 \text{ sr } 17 \text{ kg} - 80 \text{ sr } 2 \text{ kg} \qquad 10 \text{ m} - 3 \text{ m } 4 \text{ dm}$$

$$130 \text{ m } 10 \text{ mm} - 128 \text{ m } 30 \text{ mm}$$

$$20 \text{ km } 37 \text{ m} - 5 \text{ km } 684 \text{ m}$$

**162.** Sportchining bo'yi 1 m 82 sm bo'lib, musobaqada 2 m 30 sm ga sakrab birinchilikni egalladi. Sportchi o'z bo'yiga qaraganda necha santimertga balandga sakradi?

**163.** Misollar tuzing va yeching:

$$\begin{array}{r} + \quad 5 \dots 16 \dots \\ \quad 7 \dots 7 \dots \\ \hline \dots \text{ sut } \dots \text{ soat} \end{array}$$

$$\begin{array}{r} - \quad 9 \text{ sut} \\ \quad \dots \text{ sut } 4 \text{ soat} \\ \hline \dots \text{ sut } \dots \text{ soat} \end{array}$$

$$\begin{array}{r} + \quad \dots \text{ min } 16 \text{ s} \\ \quad \dots \text{ min } 44 \text{ s} \\ \hline \dots \text{ min } \dots \text{ s} \\ \dots \text{ min} \end{array}$$

$$\begin{array}{r} - \quad 7 \text{ oy } \dots \text{ sut} \\ \quad \dots \text{ oy } 12 \text{ sut} \\ \hline \dots \text{ oy } \dots \text{ sut} \end{array}$$

$$\begin{array}{r} - \quad 9 \text{ oy} \\ \quad \dots \dots \text{ sut} \\ \hline \dots \text{ oy } \dots \text{ sut} \end{array}$$

$$\begin{array}{r} + \quad 12 \text{ soat } 17 \text{ min} \\ \quad \dots \text{ soat } 53 \text{ min} \\ \hline \dots \text{ soat } \dots \text{ min} \\ \dots \text{ min} \end{array}$$

$$\begin{array}{r} - \quad 13 \text{ yosh} \\ \quad \dots \text{ yosh } 9 \text{ oy} \\ \hline \dots \text{ yosh } \dots \text{ oy} \end{array}$$

$$\begin{array}{r} - \quad 5 \text{ soat } 20 \text{ min} \\ \quad \dots \text{ soat } 45 \text{ min} \\ \hline \dots \text{ soat } \dots \text{ min} \end{array}$$

**164.** Vaqt o'lchov birliklari ishtirokida sonlarni qo'shing:

a) 6 yosh 5 oy + 14 yosh 9 oy

20 sut 11 soat + 13 soat

42 yosh 4 oy + 5 yosh 7 oy

18 soat + 17 soat 9 min

12 oy 16 sut + 8 oy 29 sut

16 sut 5 soat + 9 sut 7 soat

19 sut + 11 oy 13 sut

2 sut + 6 sut 8 soat

b) 15 soat 13 min + 4 soat 47 min

17 min 8 s + 9 min 32 s

8 soat 8 min + 42 min

25 min 16 s + 44 s

5 min + 9 soat 12 min

25 min + 38 min 15 s

20 soat 35 min + 35 min

6 min 19 s + 5 min 51 s

**165.** Vaqt o'lchov birliklari ishtirokida sonlarni ayiring:

a) 40 yosh – 15 oy

60 yosh 6 oy – 4 yosh 7 oy

25 yosh 8 oy – 9 yosh 6 oy

18 yosh – 5 yosh 6 oy

10 oy 15 sut – 9 sut

6 oy – 5 sut

4 oy 1 sut – 24 sut

11 oy 14 sut – 3 oy

b) 6 sut – 5 soat

8 soat – 7 min

3 sut 12 soat – 2 sut 7 soat

11 sut 3 soat – 7 sut 12 soat

15 soat 20 min – 6 soat 17 min

21 soat 40 min – 8 soat 54 min

**O'LGASHDA HOSIL BO'LGAN SONLARNI  
10, 100, 1000 GA KO'PAYTIRISH VA BO'LISH**

**166.** Sonlarni 10, 100, 1000 ga ko'paytirish qoidasini eslang va misollarni yeching:

$6235 \cdot 10$	$345 \cdot 100$	$52 \cdot 1000$	$4020 \cdot 10$
$18107 \cdot 10$	$5607 \cdot 100$	$180 \cdot 1000$	$8000 \cdot 1000$
$23100 \cdot 10$	$8300 \cdot 100$	$800 \cdot 1000$	$670 \cdot 1000$

**167.** Sonlarni 10, 100, 1000 ga bo'lish qoidasini eslang va misollarni yeching:

$8140 : 10$	$5400 : 100$	$3000 : 1000$
$20400 : 10$	$37000 : 100$	$67000 : 1000$
$806000 : 10$	$180000 : 100$	$138000 : 1000$

**168.** Misollarni yechish namunalarini ko'ring va yechish bosqichlarini tushuntiring:

a)

**$26 \text{ m } 18 \text{ sm} \cdot 10 = 261 \text{ m } 80 \text{ sm}$**

$26 \text{ m } 18 \text{ sm} = 2618 \text{ sm}$

$2618 \text{ sm} \cdot 10 = 26180 \text{ sm}$

$26180 \text{ sm} = 261 \text{ m } 80 \text{ sm}$

$3 \text{ sr } 25 \text{ kg} \cdot 10$

$16 \text{ sm } 3 \text{ mm} \cdot 10$

$8 \text{ t } 145 \text{ kg} \cdot 10$

**$18 \text{ km } 40 \text{ m} : 10 = 1 \text{ km } 804 \text{ m}$**

$18 \text{ km } 40 \text{ m} = 18040 \text{ m}$

$18040 \text{ m} : 10 = 1804 \text{ m}$

$1804 \text{ m} = 1 \text{ km } 804 \text{ m}$

$4 \text{ kg } 40 \text{ r} : 10$

$12 \text{ m } 52 \text{ sm} : 10$

$9 \text{ sm } 3 \text{ mm} : 10$

b)

$$8 \text{ kg } 2 \text{ g} \cdot 100 = 800 \text{ kg } 200 \text{ g}$$

$$8 \text{ kg } 2 \text{ g} = 8002 \text{ g}$$

$$8002 \text{ g} \cdot 100 = 800200 \text{ g}$$

$$800200 \text{ g} = 800 \text{ kg } 200 \text{ g}$$

$$5 \text{ t } 6 \text{ kg} \cdot 100$$

$$7 \text{ m } 3 \text{ sm} \cdot 100$$

$$2 \text{ t } 3 \text{ sr} \cdot 100$$

$$50 \text{ m } 300 \text{ mm} : 100 = 503 \text{ mm}$$

$$50 \text{ m } 300 \text{ mm} = 50300 \text{ mm}$$

$$50300 \text{ mm} : 100 = 503 \text{ mm}$$

$$2 \text{ km } 160 \text{ m} : 100$$

$$13 \text{ t } 6 \text{ sr} : 100$$

$$28 \text{ m } 72 \text{ sm} : 100$$

d) Misollarni yechish bosqichini tushuntiring va ularni yeching.

$$18 \text{ t } 3 \text{ sr} \cdot 1000 = \dots$$

$$1) 18 \text{ t } 3 \text{ sr} = \dots \text{ sr}$$

$$2) \dots \cdot 1000 = \dots \text{ sr}$$


$$3) \dots = \dots$$

$$36 \text{ t} : 1000 = \dots$$

$$1) 36 \text{ t} = \dots \text{ kg}$$

$$2) \dots : 1000 = \dots$$

e) Xulosa chiqaring:

 O'lchashda hosil bo'lgan sonlarni 10, 100, 1000 ga ko'paytirish va bo'lish quyidagi bosqichlardan iborat:

1) yirik o'lchov birliklarini maydalash;

2) amalni yechish;

3) javobni yirik o'lchov birligida ifodalash.

169. Ko'paytmani toping:

$$65 \text{ so'm } 18 \text{ tiyin} \cdot 10$$

$$20 \text{ m } 72 \text{ sm} \cdot 10$$

$$6 \text{ m } 5 \text{ dm} \cdot 100$$

$$3 \text{ m } 812 \text{ mm} \cdot 100$$

18 t 6 sr · 10

5 kg 314 g · 10

6 t 5 sr · 1000

13 sm 5 mm · 1000

4 kg 5 g · 100

12 sm 9 mm · 100

8 sr 2 kg · 1000

7 m 80 sm · 1000

**170.** Bo'linmani toping:

5 m 60 sm : 10

17 km 800 m : 10

32 sm : 10

2 kg : 10

7 t 500 kg : 100

18 kg 600 g : 100

52 m : 100

7 sr : 100

514 km : 1000

805 kg : 1000

600 t : 1000

800 m : 1000

**171.** 1 t paxtadan 345 kg tola olish mumkin. 10 tonna paxtadan qancha tola olish mumkin?

**172.** Tikuv ustaxonasiga dastlab 125 m 70 sm shoyi, so'ng yana 54 m 30 sm shoyi keltirildi. Ulardan 100 ta ko'ylak tikildi. Bir dona ko'ylakka necha metr shoyi sarflandi?

**173.** Misollarni yeching:

3 m 52 sm · 100

10 · 13 sm 8 mm

5 t 2 sr · 1000

100 · 3725 km

68 t 240 kg : 10

52 km : 1000

7 m 20 sm : 100

54 kg 200 g : 100

42 kg 50 g · 100

10 · 6 m 10 sm

53 sr : 100

17 t : 1000

**174.** Bog'dorchilik yer uchastkasidan 2 sr olma terildi. 40 kg olma qopga, qolganlari 10 ta yashikka bir xilda taqsimlandi. Har bir yashikdagi olma og'irligini toping.

**175.** Amallarni bajaring:

a) 2 sm 9 mm · 10 – 59 sm : 10

873 km : 100 · 4 – 4 km 60 m

$$2 \text{ t } 600 \text{ kg } 5 : 1000 - 926 \text{ t} : 100$$

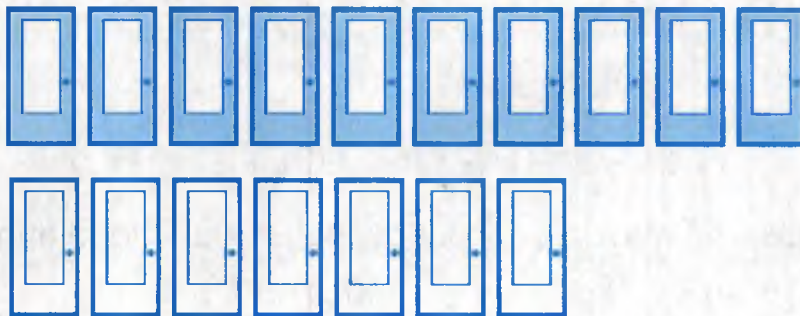
$$570 \text{ so'm} : 100 + 9450 \text{ so'm} : 1000 \cdot 3$$

b)  $(5 \text{ sr } 16 \text{ kg} + 8 \text{ sr } 34 \text{ kg}) : 10 \cdot 100$   
 $(68 \text{ m } 7 \text{ sm} + 17 \text{ m } 43 \text{ sm}) : 10 : 100$   
 $100 \cdot (8 \text{ m } 3 \text{ sm} - 2 \text{ m } 13 \text{ sm}) : 10$   
 $1000 \cdot (6 \text{ t } 2 \text{ sr} - 5 \text{ sr} + 1 \text{ t}) : 100$

d) Masala tuzing va yeching:

10 ta eshikka – 9 kg bo‘yoq

7 ta eshikka – ?



### MUSTAQIL ISH UCHUN TOPSHIRIQLAR

1. 3 ta bir xil ko‘ylak uchun 7 m 80 sm gazlama ishlatildi. 10 ta shunday ko‘ylakka necha metr gazlama kerak bo‘ladi?

2. Misollarni yeching:

$$36 \text{ kg } 580 \text{ g} \cdot 10$$

$$18 \text{ km } 16 \text{ m} \cdot 100$$

$$43 \text{ sr } 9 \text{ kg} \cdot 1000$$

$$6 \text{ t } 327 \text{ kg} : 10$$

$$6 \text{ sr } 8 \text{ kg} : 100$$

$$2 \text{ km } 88 \text{ m} : 100$$



(15 m 6 sm–8 m 27 sm):10

(6 m 23 sm+7 m 72 sm)·10

(20 t 7 sr+3 t 9 sr)·10:100

3. Bir o'ram ip massasi 280 g bo'lsa, 10 ta o'ram ip massasi qanchaga teng?
4.  $36\text{ m } 20\text{ sm} \cdot 10$                        $6\text{ m } 12\text{ sm} : 10$   
 $15\text{ sr } 74\text{ kg} \cdot 100$                        $16\text{ sm } 8\text{ mm} : 100$
5. 45 sm ni 10 marta, 4 t 5 sr ni 10 marta ko'paytiring. 6 kg 400 g ni 10 marta, 2 m ni 10 marta kamaytiring.

### KATTALIKNI YAXLIT O'NLIKLARGA KO'PAYTIRISH VA BO'LISH

176. Kattaliklarni maydaroq o'lchov birliklarida ifodalang:

23 sr 6 kg = ... kg

15 m 72 sm = ... sm

204 kg 7 g = ...

60 km = ... m

19 km 941 m = ...

540 m 16 mm = ...

21 t 600 kg = ...

62 t 3 sr = ...

1 t 2 sr = ...

177. Kattaliklarni yirikroq o'lchov birliklarida ifodalang:

1320 sm = ... m

5200 g = ...

16000 kg = ...

8400 kg = ...

52000 mm = ...

126 mm = ...

72 sr = ...

16600 m = ...

52000 g = ...

32128 kg = ...

628 sr = ...

7125 sm = ...

**178. Ko'paytmani toping:**

$6 \text{ m } 38 \text{ sm} \cdot 6$	$5 \text{ t } 146 \text{ kg} \cdot 6$	$16 \text{ sr } 3 \text{ kg} \cdot 2$
$19 \text{ sr } 26 \text{ kg} \cdot 9$	$32 \text{ kg } 40 \text{ m} \cdot 4$	$23 \text{ dm } 5 \text{ sm} \cdot 4$
$38 \text{ so'm } 15 \text{ tiyin} \cdot 8$	$50 \text{ kg } 80 \text{ g} \cdot 8$	$180 \text{ t } 2 \text{ sr} \cdot 7$

**179. Bo'linmani toping:**

$78 \text{ sr } 12 \text{ kg} : 2$	$4 \text{ km } 137 \text{ m} : 3$	$7 \text{ dm } 5 \text{ sm} : 5$
$11 \text{ m } 90 \text{ sm} : 5$	$2 \text{ t } 408 \text{ kg} : 4$	$20 \text{ sm } 4 \text{ mm} : 3$
$54 \text{ m } 9 \text{ sm} : 3$	$2 \text{ kg } 840 \text{ g} : 8$	$19 \text{ m} : 2$



Kattaliklarni nol bilan tugagan yaxlit o'nliklarga ko'paytirish bosqishlari:

$$13 \text{ m } 9 \text{ sm} \cdot 50 = 654 \text{ m } 50 \text{ sm}$$

$$\begin{array}{r} \times \quad 1309 \text{ sm} \\ \quad \quad 50 \\ \hline 65450 \text{ sm} \\ \hline 654 \text{ m } 50 \text{ sm} \end{array}$$

1) Maydaroq o'lchov birligiga aylantiriladi –  $13 \text{ m } 9 \text{ sm} = 1309 \text{ sm}$

2) Yaxlit o'nlikka ko'paytiriladi –  $1309 \text{ sm } 50 = 6545 \text{ sm}$

3) Natija yirikroq o'lchov birligiga aylantiriladi –  $6545 \text{ sm} = 654 \text{ m } 50 \text{ sm}$ .

$180. 4 \text{ m } 36 \text{ sm} \cdot 40$	$6 \text{ m } 216 \text{ sm} \cdot 50$	$5 \text{ t } 3 \text{ sr} \cdot 40$
$15 \text{ sr } 70 \text{ kg} \cdot 70$	$28 \text{ kg } 260 \text{ g} \cdot 80$	$80 \text{ sm } 6 \text{ mm} \cdot 60$
$90 \text{ m } 8 \text{ sm} \cdot 50$	$15 \text{ t } 9 \text{ kg} \cdot 30$	$13 \text{ m } 7 \text{ dm} \cdot 50$
$38 \text{ sm} \cdot 80$	$540 \text{ g} \cdot 40$	$9 \text{ sr} \cdot 80$

181. Qog'oz qutiga har biri 90 g shokoladdan 40 dona va massasi 125 g shokoladdan 20 dona joylashtirildi. Qog'oz qutidagi shokoladlar massasini toping.

**Kattaliklarni nol bilan tugagan yaxlit o'nliklarga bo'lish bosqichlari:**

$$7 \text{ sr } 20 \text{ kg} : 40 =$$

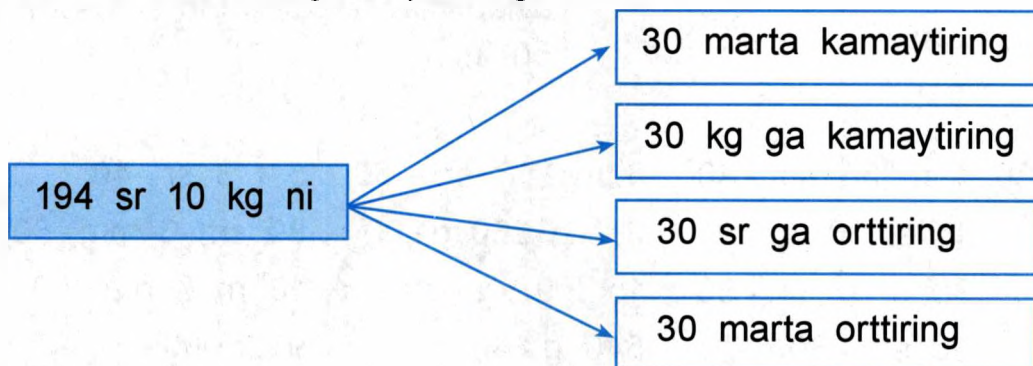
1) Berilgan kattalik maydaroq o'lchov birligiga aylantiriladi:  $7 \text{ sr } 20 \text{ kg} = 720 \text{ kg}$

2) Yaxlit o'nlikka bo'linadi -

$$\begin{array}{r|l} 720 \text{ kg} & 40 \\ - 40 & \hline 320 & 18 \text{ kg} \\ - 320 & \\ \hline 0 & \end{array}$$

182.  $7 \text{ m } 80 \text{ sm} : 20$  |  $1 \text{ kg } 450 \text{ g} : 50$  |  $53 \text{ m } 60 \text{ sm} : 80$   
 $8 \text{ sr } 50 \text{ kg} : 50$  |  $79 \text{ kg } 500 \text{ m} : 30$  |  $152 \text{ t } 80 \text{ kg} : 40$   
 $50 \text{ m } 40 \text{ sm} : 60$  |  $80 \text{ t } 160 \text{ kg} : 40$  |  $6 \text{ dm} : 30$

183. Misollar tuzing va yeching:



**184.** 850 g ukrop urug'i va 1 kg 900 g kashnich urug'ini har biri 50g li paketlarga joylashtirildi. Hamma urug'larni joylashtirish uchun qancha paket kerak bo'ldi?

**185.** 1 quti choy massasi 50 g bo'lsa, 1 kg choy uchun shunday og'irlikdagi choy qutisidan necha dona kerak bo'ladi?

**186.** 30 ta bir xil salfetka tikish uchun 12 m gazlama kerak bo'ldi. 7 m 20 sm gazlamadan xuddi shunday salfetkadan necha dona tikish mumkin?

**187.** Misollarni yeching:

$23 \text{ m } 70 \text{ sm} : 30$	$91 \text{ m } 20 \text{ sm} : 60$	$181 \text{ sr } 50 \text{ kg} : 30$
$7 \text{ t } 890 \text{ kg} \cdot 50$	$36 \text{ sm} : 20$	$59 \text{ t } 7 \text{ sr} \cdot 80$
$13 \text{ sr} : 50$	$75 \text{ t } 880 \text{ kg} : 70$	$82 \text{ sr} : 40$

**188.** 20 kg mandarin bir xil og'irlikda 40 ta paketga taqsimlandi. Har bir paketdagi mandarinlar massasi nechaga teng?

**189.** Misollarni yeching:

$$43 \text{ m } 29 \text{ sm} + 20 \text{ m } 85 \text{ sm} \cdot 30$$
$$(87 \text{ dm } 3 \text{ sm} - 16 \text{ dm } 9 \text{ sm}) \cdot 30$$
$$510 \text{ kg} - 4 \text{ kg } 32 \text{ g} \cdot 90 + 38 \text{ kg } 905 \text{ g}$$



### **MUSTAQIL ISH UCHUN TOPSHIRIQLAR**

**1.** Asalarichilik xo'jaligi birinchi yili har birida 15 kg 400 g asal bo'lgan 20 ta asalari uyasi, ikkinchi yili esa har birida 12 kg 800 g asal bo'lgan 30 ta asalari uyasi

topshirdi. Qaysi yili ko'proq asal yig'ilgan va qanchaga ko'p asal yig'ilgan?

2. Misollarni yeching:

$$16 \text{ m } 28 \text{ sm} \cdot 40$$

$$34 \text{ m} : 40$$

$$37 \text{ t } 4 \text{ sr} \cdot 30$$

$$67 \text{ m } 50 \text{ sm} : 50$$

$$2 \text{ t } 6 \text{ g} \cdot 50$$

$$3 \text{ kg } 450 \text{ g} : 50$$

$$14 \text{ km } 7 \text{ m} \cdot 60$$

$$28 \text{ km } 200 \text{ m} : 60$$

3. 3 t 150 kg un har biri 50 kg li qoplarga joylashtirildi. Nechta qop kerak bo'ldi?

4. 194 m 10 sm ni 30 marta uzaytiring. 21 kg 600 g ni 20 taga kamaytiring.

### KATTALIKNI IKKI XONALI SONGA KO'PAYTIRISH VA BO'LISH

190. a) Bir o'lchov birligidagi 5 ta son o'ylab toping va yozing:

200 so'm; 35 m; ...;

b) Ikki o'lchov birligidagi 5 ta son yozing:

3 kg 500 g; 6 sm 8 mm; ... .

191. Ko'paytma va bo'linmalarni toping:

$$3 \text{ m } 46 \text{ sm} \cdot 5$$

$$33 \text{ m } 60 \text{ sm} : 2$$

$$3 \text{ m } 46 \text{ sm} \cdot 50$$

$$33 \text{ m } 60 \text{ sm} : 20$$

$$7 \text{ kg } 476 \text{ g} \cdot 6$$

$$2 \text{ t} : 8$$

$$7 \text{ kg } 476 \text{ g} \cdot 60$$

$$12 \text{ sm} : 30$$

Kattalikni ikki xonali songa ko'paytirish va bo'lish bir xonali songa va yaxlit o'nliklarga ko'paytirish va bo'lish kabi bajariladi.

**Namunalar:**

$$15 \text{ m } 6 \text{ sm} \quad 32 = 481 \text{ m } 92 \text{ sm} \quad | \quad 37 \text{ sr } 80 \text{ kg} : 35 = 1 \text{ sr } 8 \text{ kg}$$

$$15 \text{ m } 6 \text{ sm} = 1506 \text{ sm}$$

$$37 \text{ sr } 80 \text{ kg} = 3780 \text{ kg}$$

$$\begin{array}{r} 1506 \text{ sm} \\ + \quad 32 \\ \hline 3012 \\ + \quad 4518 \\ \hline 48192 \text{ sm} \\ \hline 481 \text{ m } 92 \text{ sm} \end{array}$$

$$\begin{array}{r} 3780 \text{ kg} \\ - \quad 35 \\ \hline 28 \\ - \quad 0 \\ \hline 280 \\ - \quad 280 \\ \hline 0 \end{array} \quad \left| \begin{array}{r} 35 \\ \hline 108 \text{ kg} \\ \hline 1 \text{ sr } 8 \text{ kg} \end{array} \right.$$

**192.** Misollarni yeching va ketma-ketlikni tushuntiring:

$4 \text{ sr } 18 \text{ kg} \cdot 13$	$6 \text{ kg } 205 \text{ g} \cdot 42$	$18 \text{ sm } 8 \text{ mm} \cdot 42$
$16 \text{ m } 30 \text{ sm} \cdot 24$	$53 \text{ kg } 40 \text{ g} \cdot 16$	$30 \text{ m } 6 \text{ sm} \cdot 23$
$52 \text{ sr } 6 \text{ kg} \cdot 35$	$32 \text{ t } 9 \text{ kg} \cdot 33$	$17 \text{ m } 8 \text{ dm} \cdot 32$
$72 \text{ sm} \cdot 28$	$428 \text{ g} \cdot 54$	$26 \text{ sr} \cdot 24$

**193.** Sayohatchilar yelkanli qayiqda 56 kun okean bo'ylab 6048 km yo'lni suzib o'tdilar. O'rta hisobda 1 kunda necha km suzdilar?

**194.** Misollarni yeching:

$9 \text{ m } 74 \text{ sm} \cdot 15$	$63 \text{ sr } 14 \text{ kg} : 11$	$21 \text{ m} : 35$
$18 \text{ sr } 5 \text{ kg} \cdot 34$	$840 \text{ m } 24 \text{ sm} : 24$	$892 \text{ g} \cdot 46$
$20 \text{ so' m } 83 \text{ tijin} \cdot 27$	$10 \text{ m } 5 \text{ sm} : 15$	$48 \text{ sr } 80 \text{ kg} : 16$

**195.** Tikuv ustaxonasiga har biri 35 m 95 sm gazlamadan 4 bo'lak va har biri 34 m 80 sm gazlamadan 9 bo'lak mato keltirildi. Hammasi bo'lib tikuv ustaxonasiga necha metr gazlama keltirildi?

<b>196.</b> 15 sm 8 mm · 63	8 sm 4 mm : 14	60 sm : 25
8 m 3 dm · 57	83 t 2 sr : 32	56 dm : 16
9 dm 4 sm · 26	101 dm 4 sm : 22	98 sm · 65

**197.** Bir xaltadagi shakarining massasi 2 kg 500 g. 15 ta shunday xaltadagi shakarining massasini toping.

**198.** Bitta qog'oz qutiga 8 kg 508 gramm makaron joylansa, 12 ta shunday qutidagi makaron massasini toping.

**199.** Bo'linmani toping:

29 m 40 sm : 12	1 km 876 m : 14
79 m 2 sr : 22	653 sm 8 mm : 43
69 so'm 92 tiyin : 23	15 kg 128 g : 32
43 sr 40 kg : 31	32 m 400 mm : 24
7 sm : 14	76 m : 25
96 kg : 15	56 dm : 35

<b>200.</b> 8 t 184 kg 52	70 km 408 m : 13
101 kg 400 g : 12	3 kg 109 g · 64
1 t 66 kg : 41	546 m · 48
15 km 25 m · 46	77 m 500 mm : 31

**201.** Misollarni yeching:

$20 \text{ m } 17 \text{ sm} \cdot 49$	$5 \text{ t } 58 \text{ kg} \cdot 39$	$68 \text{ sr} \cdot 34$
$7 \text{ kg } 73 \text{ g} : 11$	$73 \text{ sr } 20 \text{ kg} : 24$	$64 \text{ t } 96 \text{ g} : 16$

**202.** Fabrikada 12500 metr gazlama 45 metrdan qilib to'plarga o'raldi. Necha to'p gazlama hosil bo'ldi?

**203.** Qand zavodiga birinchi haftada 453 t 600 kg lavlagi, ikkinchi haftada esa birinchi haftadagidan 2 marta kam lavlagi keltirildi. Ikkinchi haftada qancha lavlagi keltirilgan?

**204.** Misollarni yeching:

$1 \text{ sm} : 10$	$3 \text{ kg} : 10$	$12 \text{ kg } 15 \text{ g} \cdot 12$
$1 \text{ kg} : 10$	$4 \text{ kg} : 20$	$70 \text{ sr } 4 \text{ kg} \cdot 35$
$1 \text{ sr} : 20$	$20 \text{ m} : 50$	$116 \text{ so'm } 12 \text{ tiyin} \cdot 60$
$1 \text{ km} : 25$	$7 \text{ sr} : 70$	$123 \text{ sm } 44 \text{ mm} \cdot 21$

**205.** 1 kg 500 g bodring tuzlash uchun uch litrli shisha bankaga joylandi. 15 dona shunday bankaga bodring tuzlash uchun necha kilogramm bodring kerak bo'ladi?

**206.** Misollarni yeching:

a) $(90 \text{ km } 24 \text{ m} - 42 \text{ km } 84 \text{ m}) \cdot 14$	$5 \text{ t } 48 \text{ kg} \cdot 39$
$(50 \text{ sr } 3 \text{ kg} - 15 \text{ sr } 8 \text{ kg}) \cdot 26$	$73 \text{ sr } 20 \text{ kg} \cdot 24$
$(14 \text{ t} - 2 \text{ t } 13 \text{ kg}) \cdot 15$	$199 \text{ sr } 32 \text{ kg} \cdot 33$
b) $(100 \text{ m} - 74 \text{ m } 968 \text{ kg}) : 42$	$9 \text{ kg} : 25$
$(100 \text{ km} - 58 \text{ km } 976 \text{ m}) : 32$	$50 \text{ kg } 6 \text{ g} : 19$
$(100 \text{ kg} - 58 \text{ kg } 976 \text{ g}) : 64$	$147 \text{ sr} : 42$



d)  $44 \text{ kg } 44 \text{ g} : 14 + 17 \text{ kg } 905 \text{ g}$   
 $507 \text{ m } 2 \text{ dm} - 18 \text{ m } 3 \text{ dm} \cdot 26$   
 $(20 \text{ m } 3 \text{ sm} - 17 \text{ m } 15 \text{ sm}) \cdot 63 + 5 \text{ m } 2 \text{ sm}$   
 $7 \text{ sm } 8 \text{ mm} \cdot 19 - 80 \text{ sm} : 32$

207. Masala tuzing va yeching:

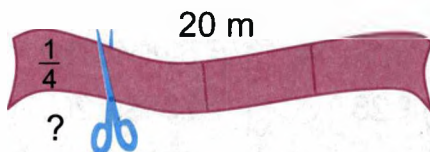
I – 8 kg 300 g  
 II – 3 marta ko'p  
 III – 10 kg 250 g

$\left. \begin{array}{l} \leftarrow \\ \leftarrow \\ \leftarrow \end{array} \right\} ?$

208. 9 m 60 sm gazlamadan 12 ta bir xil yubka tikildi. 20 m gazlamadan nechta shunday yubka tikish mumkin?

209. Sonning bo'lagi qanday topilishini eslang. Masalalarni yeching:

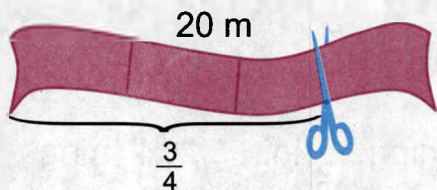
- 1) 20 m uzunlikdagi lentaning  $\frac{1}{4}$  qismi kesib olindi.  
 Necha metr lenta kesib olindi?



$$20 \text{ m ning } \frac{1}{4} = 5 \text{ m}$$

$$20 \text{ m} : 4 = 5 \text{ m}$$

- 2) 20 m uzunlikdagi lentaning  $\frac{3}{4}$  qismi kesib olindi.  
 Necha metr lenta kesib olindi?



$$20 \text{ m ning } \frac{3}{4} = 15 \text{ m}$$

$$20 \text{ m} : 4 \cdot 3 = 15 \text{ m}$$

Sonning bo'lagini aniqlashda qaysi ikki arifmetik amal qo'llandi?

**210.** Sonning bo'laklarini aniqlang:

$$9 \text{ m ning } \frac{1}{2} \text{ ini;}$$

$$8 \text{ sr } 10 \text{ kg ning } \frac{1}{3} \text{ ini;}$$

$$9 \text{ m } 3 \text{ sm ning } \frac{1}{7} \text{ ini;}$$

$$16 \text{ sr ning } \frac{2}{5} \text{ ini;}$$

$$114 \text{ sr } 66 \text{ kg ning } \frac{4}{7} \text{ ini;}$$

$$120 \text{ m } 32 \text{ sm ning } \frac{3}{4} \text{ ini.}$$

**211.** Yoz davomida quruvchilar 300 km uzunlikdagi gaz quvurini yotqizishi kerak edi. Yozning iyun oyida quvur uzunligining  $\frac{3}{20}$  qismini, iyul oyida  $\frac{2}{5}$  qismini yotqizdilar. Yozning uchinchi oyida necha kilometr quvur yotqizilishi kerak?

**212.** 1 tonnaning quyidagi qismlarini toping:

$\frac{2}{5}$	$\frac{3}{10}$	$\frac{127}{250}$	$\frac{272}{1000}$	$\frac{7}{10}$	$\frac{346}{1000}$
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**213.** Kitob 160 betlik. Lola kitobning  $\frac{1}{4}$  qismini o'qidi. Lola kitobning necha betini o'qidi? Lola yana necha bet o'qishi kerak?

**214.** 20 m uzunlikdagi arqonning  $\frac{1}{5}$  bo'lagi qirqib olindi. Necha metr arqon qirqib olingan?

**215.** 5 420 ning  $\frac{1}{5}$  ini; 28 900 ning  $\frac{1}{2}$  ini; 3 264 ning  $\frac{1}{6}$  ini;  
7 425 ning  $\frac{1}{3}$  ini; 4 600 ning  $\frac{1}{4}$  ini; 6 608 ning  $\frac{1}{8}$  ini;  
3 124 ning  $\frac{1}{2}$  ini; 7 260 ning  $\frac{1}{5}$  ini; 1 712 ning  $\frac{1}{8}$  ini;  
8 403 ning  $\frac{1}{10}$  ni toping.

**216.** 100 so'mning  $\frac{1}{5}$  ini; 4 254 kg ning  $\frac{1}{2}$  ini; 7 236 m ning  $\frac{1}{4}$  ini; 28 km ning  $\frac{1}{2}$  ini; 2 844 so'mning  $\frac{1}{4}$  ini; 8 430 sr ning  $\frac{1}{3}$  ini toping.

**217.** Ikki to'pda 840 m gazlama bor. Gazlamaning  $\frac{1}{3}$  qismi birinchi to'pda, qolgani esa ikkinchi to'pda. Ikkinchi to'pda necha metr gazlama bor?

**218.** Sayyohlar 1 254 km masofani bosib o'tishlari kerak. Ular yo'lning  $\frac{1}{3}$  qismini poyezdda, qolgan yo'lni avtobusda o'tdilar. Sayyohlar avtobusda qancha yo'l yurishgan?

**219.** Do'konda 640 kg don bor. Bu donning  $\frac{3}{10}$  qismi guruch,  $\frac{1}{10}$  qismi mosh, qolgani grechka. Masalaga savol qo'ying va uni yeching.

**220.** Qaysi kesma uzun va qancha uzun?

1) 20 sm ning  $\frac{3}{4}$  mi yoki 4 dm ning  $\frac{3}{4}$  mi?

2) 6 dm ning  $\frac{1}{5}$  mi yoki 1 m ning  $\frac{1}{10}$  mi?

3) 14 km ning  $\frac{1}{7}$  mi yoki 12 km ning  $\frac{1}{6}$  mi?

4) 35 m ning  $\frac{4}{7}$  mi yoki 24 m ning  $\frac{3}{4}$  mi?

**221.** Novvoyxonaga 3600 kg un keltirildi. Hamma unning  $\frac{3}{5}$  qismiga baton,  $\frac{3}{10}$  qismiga teshikkulcha, qolgan unga patir non yopildi. Patir non yopishga qancha un sarf qilingan?

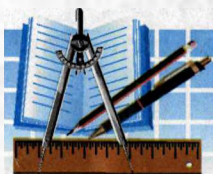
**222.** Yuk stansiyasiga har birida 156 sr dan 24 vagon karam keltirildi. Hamma karamning  $\frac{7}{12}$  qismi tushirildi. Yana qancha sentner karamni tushirib olish qoldi?

**223.** Masala tuzing va uni yeching:

Hammasi	Ayollar – $\frac{1}{4}$ qismi;
18200	O'smirlar – $\frac{1}{10}$ qismi;
	Erkaklar – ?

**224.** Sabzavot omboriga 27300 t sabzavot va kartoshka keltirildi. Keltirilgan sabzavotlarning 5 dan biri karam, 13 dan biri sabzi, qolgani kartoshka. Sabzavot omboriga necha tonna kartoshka keltirilgan?





## O'NLI KASRLAR

Amir Temur nabirasi, mashhur olim **M. Ulug'bek** (1394–1449) Samarqand shahrida observatoriya qurdi, astronomiya fanining ilmiy asoslarini yaratdi. 1018 ta yulduzning koinotdagi o'rnini aniqladi.

O'rta Osiyo matematigi, astronom Jamshid ibn **Ma'sud al-Koshiy** 1436-yilda tug'ilgan. Samarqandda Ulug'bek observatoriyasida ishlagan. «Mifax al-hisob», «Arifmetika kaliti» asarida o'nli kasrlar tushunchasini yaratilishiga asos soldi.



### O'NLI KASRLARNING HOSIL BO'LISHI, O'QILISHI VA YOZILISHI

228. Qanday kasr sonlarni bilasiz?

a) Sonlarni o'qing:  $\frac{2}{15}$ ;  $\frac{3}{10}$ ;  $1\frac{2}{3}$ ; 0,127;  $\frac{18}{100}$ ;  $\frac{7}{8}$ .

b) Bu sonlar qanday ataladi:  $\frac{2}{15}$ ;  $\frac{8}{7}$ ;  $1\frac{2}{3}$ ;

d) Bu sonlar-chi?  $\frac{3}{10}$ ; 0,127;  $\frac{18}{100}$ .

e) Kasr sonlarni o'qing. Ular orasidan faqat o'nli kasrlarni daftaringizga yozing:

$$\frac{6}{50}, \frac{1}{100}, \frac{3}{101}, \frac{7}{10}, \frac{18}{1000}$$

$$\frac{11}{300}, \frac{96}{100}, \frac{3}{20}, \frac{823}{1000}, \frac{127}{110}$$

Kasr sonlarning surat va maxrajini o'qing.

229. 1) O'nli kasrlarni quyidagi ko'rinishda yozish mumkin:

$$\frac{29}{100} = 0,29$$

**nol butun yuzdan  
yigirma 9**

$$\frac{7}{100} = 0,07$$

**0 butun 100  
dan 7**

$$\frac{9}{1000} = 0,009$$

**nol butun ming  
dan 9**

$$\frac{23}{1000} = 0,023$$

**0 butun 1000  
dan 23**

230. Quyidagi kasrlarni o'nli kasrlar ko'rinishida yozing:

1)  $\frac{3}{10}, \frac{21}{100}, \frac{547}{1000}, \frac{57}{100}, \frac{6}{10}, \frac{103}{1000}$

2)  $\frac{8}{100}, \frac{7}{1000}, \frac{13}{100}, \frac{5}{100}, \frac{17}{1000}, \frac{123}{1000}$

3)  $\frac{139}{1000}, \frac{36}{1000}, \frac{7}{1000}, \frac{18}{100}, \frac{6}{100}, \frac{7}{100}$

231. Kasrlarni oʻnli kasr shaklida yozish va oʻqish:

$$1\frac{3}{10} = 1,3$$

1 butun oʻndan 3

$$3\frac{4}{100} = 3,04$$

3 butun yuzdan 4

$$5\frac{7}{1000} = 5,007$$

5 butun mingdan 7

$$7\frac{26}{1000} = 7,026$$

7 butun mingdan 26

232. Kasrlarni oʻnli kasr shaklida yozing:

a)  $3\frac{17}{100}$ ;  $8\frac{129}{1000}$ ;  $3\frac{1}{10}$ ;  $62\frac{12}{100}$ ;  $15\frac{187}{1000}$ ;  $11\frac{1}{10}$ ;

b)  $4\frac{3}{100}$ ;  $7\frac{3}{1000}$ ;  $8\frac{9}{100}$ ;  $15\frac{19}{100}$ ;  $9\frac{19}{1000}$ ;  $8\frac{9}{1000}$ .



### Yodda tuting!

Agar oʻnli kasrning oʻnli ulushidagi oxirgi qiymatli raqamidan keyin nol yozilsa yoki nol olib tashlansa, oʻnli kasrning qiymati oʻzgarmaydi.

Masalan,  $17,60 = 17,600 = 17,6$ .

233. Kasrlarni oʻnli kasr shaklida yozing:

$$\frac{3}{10} = \frac{3}{100} = \frac{3}{1000} =$$

$$\frac{7}{10} = \frac{7}{100} = \frac{7}{1000} =$$

$$\frac{1}{10} = \frac{1}{100} = \frac{1}{1000} =$$



234. Quyidagi sonlarni oddiy va o'nli kasr ko'rinishida yozing.

Natijani o'qing:

Yuzdan 6, yuzdan 11, mingdan 9, mingdan 99, mingdan 203, o'n mingdan 245, o'n mingdan 1965, yuz mingdan 17.

235. Sonlarni birxil maxrajga keltiring:

- 1) 0,45; 13,5 va 3,97.                      3) 0,004; 4 va 9,6.  
2) 0,903; 2,1 va 0,129.                      4) 0,03; 3,9 va 0,07.

### O'NLI KASRLARNI TAQQOSLASH

236. Taqqoslang:

16, 075 va 17,1	567,34 va 568,096	0,09 va 10,1
10,3 va 0,998	35,1 va 0,9	20,3 va 0,999
6,24 va 12,1	0,246 va 1,1	0,987 va 1,2

Taqqoslashni o'nli kasrning qaysi qismidan boshlaymiz?



**Yodda tuting!** Ikki o'nli kasrdan butun qismlari katta bo'lgan kasr kattadir:  $7,2 > 5,089$

237. Agar o'nli kasrlarning butun qismlari teng bo'lsa, u holda qaysi ulushlarni eng avval taqqoslash kerak?

0,9 va 0,81	20,375 va 20,4	13,2 va 13,006
6,54 va 6,71	51,3 va 50,4	1,1 va 1,098



**Yodda tuting!** Agar butun qismlar teng bo'lsa, u holda o'ndan bir ulushlari katta bo'lgan kasr kattadir:  $14,8 > 14,079$

**238.** Agar o'qli kasrning butun qismlari va o'ndan bir ulushlari teng bo'lsa, u holda qaysi ulushlarni taqqoslash kerak?

16,32 va 16,36	60,103 va 60,19	0,37 va 0,3
0,281 va 0,279	2,559 va 2,567	0,24 va 0,238



**Yodda tuting!** Agar butun qismlar, o'ndan bir ulushlar teng bo'lsa, u holda yuzadan bir ulushlari katta bo'lgan kasr kattadir:  **$5,48 > 5,435$** .

**239.** Taqqoslang:

0,375 va 0,376	70,648 va 70,642	0,257 va 0,271
24,205 va 24,207	0,609 va 0,607	2,019 va 2,018

**240.** Qaysi kasr katta?

0,4 va 0,37	10,001 va 10,01	0,1 va 0,699
0,108 va 0,11	0,197 va 0,189	1,97 va 1,2
1,04 va 1,043	8,526 va 8,531	0,04 va 0,009

**241.** Qaysi kasr kichik?

0,3 va 0,287	1,5 va 0,51	0,01 va 0,09
0,603 va 0,615	0,53 va 0,5296	0,3 va 0,0297
1,01 va 1,008	4,76 va 4,579	0,04 va 0,051

**242.** Teng kasrlarni yozib oling:

2,03	0,5	1,05	36,24	12,134
0,9	1,05	0,900	12,1340	2,030
0,500	36,240	1,0500	0,9000	0,50

**243.** O'sib borish tartibida yozing:

1) 1,007; 0,893; 3,817; 4,315; 0,906; 2,016.

2) 0,89 so'm; 0,39 so'm; 2,6 so'm; 1,15 so'm; 0,4 so'm.

3) 1,63 m; 0,51 m; 3,05 m; 0,48 m; 2,98 m; 0,75 m.

**O'NLI KASRLARNI QO'SHISH VA AYIRISH**  
**(Takrorlash)**

**244.** 1) Misollarni ko'rib chiqing va butun hamda o'nli kasrlarni qo'shish va ayirish qanday yechilishini tushuntiring:

23 546	235,46
+ 1 370	+ 13,70
<hr/>	<hr/>
24 916	249,16

41 300	41,300
- 846	- 0,846
<hr/>	<hr/>
40 454	40,454

2) Misollarni yeching va tushuntiring:

$17,86 + 9,04$

$9,045 + 20,09$

$218,6 + 5,7$

$128,63 + 2,48$

$34,6 + 18,403$

$35,4 + 20,8$

$315,4 - 6,9$

$63,2 - 19,48$

$30,007 - 0,09$

$38,5 - 20,8$

$12,36 - 9,106$

$12,2 - 6$

**245.** Qiz bola ko'ylagiga 1,65 m gazlama, onasining ko'ylagiga 1,35 m ortiq gazlama ketdi. Onaning ko'ylagiga qancha gazlama ketgan?

**246.** Shirkat xo'jaligi 96,9 ga yerga bug'doy ekishi kerak edi. 73,5 ga yerga bug'doy ekildi. Yana necha gektar yerga bug'doy ekilishi kerak?

<b>247.</b> 1) $19,5 + 0,3$	$80,25 + 0,344$	$5,27 + 0,6$
$74,7 + 1,3$	$0,27 + 13,73$	$0,5 + 6,54$
$24,15 + 6,75$	$0,804 + 1,19$	$13,1 + 6,75$
$3,410 + 0,19$	$5,006 + 8,95$	$1,65 + 0,201$

2) Birinchi qo'shiluvchi 12,85 ga teng, ikkinchisi undan 0,15 ta ortiq. Ikkala qo'shiluvchining yig'indisini toping.

<b>248.</b> $18,7 - 9$	$29,6 - 29$	$8,9 - 0,9$
$27,35 - 19$	$32,375 - 32$	$15,63 - 0,63$
$14,387 - 7$	$12,8 - 4,6$	$24,375 - 6,375$
$18,75 - 9,34$	$24,364 - 18,153$	$36,795 - 19,455$

<b>249.</b>	$\begin{array}{r} 7,5 \\ + 49,8 \\ \hline \end{array}$	$\begin{array}{r} 18,96 \\ + 0,74 \\ \hline \end{array}$	$\begin{array}{r} 5,609 \\ + 14,701 \\ \hline \end{array}$	$\begin{array}{r} 2,095 \\ + 138,670 \\ \hline \end{array}$
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**250.** Sonlar yig'indisini toping va tekshiring:

$5,6 + 0,5$	$45,68 + 3,72$	$8,408 + 0,722$
$19,8 + 3,6$	$196,34 + 66$	$143,954 + 18,375$

**251.** 1) Misollarni to'g'ri yechish qoidasini eslang:

$$\begin{array}{r} 7, \\ + 3,8 \\ \hline 10,8 \end{array}$$

$$\begin{array}{r} 7,00 \\ - 3,82 \\ \hline 3,18 \end{array}$$

$$\begin{array}{r} 7,000 \\ - 3,826 \\ \hline 3,174 \end{array}$$

2) Yig'indi va ayirmani toping:

$9,87 - 7,72$	$5,68 + 3,38$	$1 - 0,75$
$16,29 - 8,15$	$19,365 - 5,165$	$1 + 0,009$
$27,38 + 19,23$	$37,323 + 18,123$	$1 - 0,195$
$83,435 - 15,123$	$64,954 - 27,756$	$1 - 0,001$

**252.** Dildoraning 1205 so‘m puli bor edi. U do‘kondan 190,3 so‘mga badiiy kitob, 235,4 so‘mga daftar sotib oldi. Dildorada qancha pul qoldi? Masalani ikki usul bilan yeching.

**253.** Bir qop un 50,3 kg, bir qop bug‘doy 44,7 kg. Bir qop un bir qop bug‘doydan necha kilogramm og‘ir?

**254.**  $48,7 + 13,25$                        $296,157 + 109,84$                        $9 + 12,84$   
 $90,35 + 8,764$                        $57,009 + 39,78$                        $3,15 + 2,06$   
 $2,64 + 0,08$                        $100,4 + 24,764$                        $0,08 + 0,0025$   
 $631,3 + 14,75$                        $2,085 + 0,9$                        $7,906 + 0,094$

**255.**  $12,73 - 5,71$                        $65,24 + 0,072$                        $18,9 - 9,74$   
 $93,85 - 25,8$                        $6,7 + 24,8$                        $63,5 + 0,05$   
 $41,23 - 23,531$                        $1,9 + 12,64$                        $28 - 0,09$   
 $36,4 - 17,472$                        $124,3 + 64 + 4$                        $14 + 11,2$

**256.** Misollar tuzing va ularni yeching:

1)

Qo‘shiluvchi	4,096	214,7	513,4	59,04	9,013	6,007
Qo‘shiluvchi	15,6	80,96	8,607	124	81,987	34,9
Yig‘indi						

2)

Kamayuvchi	21,7	56,08	6,093	513,4	8,004	16
Ayiriluvchi	9,17	19,7	0,98	306,7	4,95	7,1
Ayirma						

**257.** Ayirmaning toping:

$204,695 - 179,37$	$307 - 175,316$	$208,75 - 95,4$
$400,87 - 36,578$	$500,028 - 75,228$	$42,27 - 18,3$
$317,3 - 98,35$	$42 - 13,123$	$53,3 - 27,14$
$572,154 - 486,12$	$31,175 - 15$	$41,1 - 25,225$

**258. Ayirmani toping:**

61,72 – 14,5	24,87 – 0,899	82,53 – 65,036
206,428 – 28,41	427,123 – 279	90,325 – 73,02
615,176 – 484,16	65 – 46,243	600,2 – 575,006
509,328 – 381,32	442,13 – 209,118	428,63 – 107,037

**259. Misollar tuzing va yeching:**

1 000–	87,2	8,09	119,006	235,06	64,945	178,037
500,7–	326,008	23,35	16,4	164,933	50,06	235,71

**260.** Sayyohlar 3 kun yo'lda bo'lishdi. Birinchi kuni ular piyoda 18,6 km, ikkinchi kuni kemada birinchi kundagidan 56,4 km ortiq, uchinchi kuni poyezdda 280,75 km yo'l bosishdi. Sayyohlar 3 kunda necha kilometr yo'l yurishgan?

**261.** To'g'ri to'rtburchak shaklidagi dalaning bo'yi 72,6 m, eni undan 39,55 m qisqa. Dalaning perimetrini hisoblang.

**262.** Sonlarning yig'indisini toping:

- 1) 596,8 va 96,457;                      69,754 va 0,9;  
596,6 va 6,743;                      743,6 va 8,596.
- 2) Sonlarning ayirmasini toping:  
632,7 va 59,746;                      455,8 va 17,1
- 3) 254,87 va 39,056 sonlar yig'indisini 6,074 ta kamaytiring;
- 4) 545,37 va 496,073 sonlar ayirmasini 7,009 ta orttiring.

**263.** 1) Ikkita o'nli kasr yozing va ularning yig'indisini toping;  
2) Ikkita o'nli kasr yozing va ularning ayirmasini toping;  
3) Qo'shishda sonlar nima deb ataladi? Ayirishda sonlar nima deb ataladi?

**264. Taqqoslang:**

$38,78 - 9,61 \dots \quad 125,637 - 99,253\dots$

$54,93 - 17,7 \dots \quad 194,275 - 108,17\dots$

$69,59 - 26,03 \dots \quad 500,723 - 464,7\dots$

**265. Ayirmani toping va uni tekshiring:**

$8,5 - 4,8 - 1 \quad | \quad 157,72 - 88,256 \quad | \quad 125,6 - 36,35$

$6,3 - 2,52 - 2 \quad | \quad 54,32 - 19,219 \quad | \quad 148,2 - 96,269$

$18,5 - 9,97 - 8 \quad | \quad 300,28 - 253,890 \quad | \quad 255 - 87,345$

$23 - 17,6 \quad | \quad 14,463 - 6,173 \quad | \quad 300,6 - 145,176$

**266. Hisoblang:**

$44,44 + 5,916 \quad | \quad 118,5 - 97,509 \quad | \quad 1 - 0,037$

$208,7 - 59,619 \quad | \quad 204,7 + 128,045 \quad | \quad 270 + 15,73$

$10 - 9,743 \quad | \quad 532,7 + 0,04 \quad | \quad 150,63 - 89$

$8 - 4,007 \quad | \quad 506,09 + 87,136 \quad | \quad 1 - 0,006$

**267.**  $75,86 + 57,548 \quad | \quad 65,81 - 49,543 \quad | \quad 68,7 - 49,675$

$136,07 - 98,605 \quad | \quad 97,05 - 28,542 \quad | \quad 73,22 - 14,697$

$437,001 - 169,999 \quad | \quad 370,3 - 325,425 \quad | \quad 707 - 77,97$

$386,7 - 76,85 \quad | \quad 406,5 - 325,425 \quad | \quad 900 - 830,42$

**268. Hisoblang:**

$723,235 - 408,75 + 53,6 \quad | \quad 1208 - 809,45$

$1000 - 625,66 + 55,163 \quad | \quad 2040 - 704,77$

$372,208 - 196,179 + 8,7 \quad | \quad 183,103 + 22,11$

**269.** «Damas» mashinasi birinchi kun 175,25 km, ikkinchi kun qolgan yo'lni bosib o'tdi. Agar yo'lning uzunligi 340 km bo'lsa, «Damas» mashinasi qaysi kuni va qancha ortiq yo'l yurgan?

270. Misollarni yeching:

Kamayuvchi	21,7	123,2	140,001	100,02
Ayiriluvchi	19,32	97,925	133,023	94,904
Ayirma				

271.  $240,7 + (927,93 - 822,745)$        $375,08 - (190,75 + 9,05)$   
 $5073,2 - 4297,78 + 1403,5$        $1640 - (542,1 + 68,09)$   
 $807 - (407,804 - 293,267)$        $49,006 + 0,994 + 18,071$   
 $700 - 409,73 - 89,704$        $1 - (0,71 + 0,29)$

272. Kattaliklarni taqqoslang:

14 sr  8 kg      84 t  2 sr      100 kg  200 g  
143 sr  25 kg      19 t  4 sr      74 kg  50 kg  
18 km  19 m      75 m  40 sm      300 kg  80 g  
90 km  600 m      25 m  60 sm      60 kg  120 g  
78 so'm 4 tiyin  75 tiyin  
80 so'm 90 tiyin  15 so'm 28 tiyin

273. Misollarni yeching va taqqoslang:

$79,74 + 34,406 \dots 48,705 - 9,8$   
 $3,365 + 31,97 \dots 62,64 - 5,305$   
 $32,014 + 117,998 \dots 900,7 - 62,989$   
 $572,6 + 308,73 \dots 500 - 32,175$

274. Amallarni bajaring va yechimini tekshiring:

$47,137 + 34,7$        $45,7 + 127,37$   
 $702,90 - 75,63$        $400,15 - 284,428$



$846,4 + 128,636$

$327 + 288,65$

$52,6 + 396,705$

$1\ 000 - 634,831$

**275.** Amallarni bajaring:

1)  $98,754 + 87,65 - 78,138$

$67,547 - 48,437 + 273,497$

$8,23 + 97,609 - 45,09$

2) 600,6; 78,724 va 179,402 sonlardan qo'shish va ayirishga doir ikkitadan misol tuzing.

**276.** Amallarni bajaring:

$82,6 + (11,38 - 9,49) - 17,486$

$37,08 + (10,05 - 9,835) - 18,079$

$123,75 - (42,3 + 29,406) - (14,096 - 5,78)$

$100 - (37,83 + 49,435) + (34,65 - 17,879)$

**277.** 1) 8,7 va 14,86 sonlar yig'indisiga 23,4 va 9,496 sonlar ayirmasini qo'shing.

2) 27,025 va 35,805 sonlar yig'indisidan 15,8 va 0,975 sonlar ayirmasini ayiring.

**278.** Misollarni yeching:

$40\text{ kg } 280\text{ g} + 1\text{ kg } 127\text{ g}$

$3\text{ sr } 80\text{ kg} + 44\text{ sr } 45\text{ kg}$

$40\text{ m } 75\text{ sm} + 127\text{ m } 40\text{ sm}$

$55\text{ sm} + 5\text{ m } 80\text{ sm}$

$273\text{ t } 450\text{ kg} - 90\text{ t } 40\text{ kg}$

$18\text{ kg } 350\text{ g} + 870\text{ g}$

$90\text{ km } 57\text{ m} + 120\text{ km } 71\text{ m}$

$15\text{ so'm} + 6\text{ so'm } 6\text{ tiyin}$

**279.** O'nli kasrlarning har bir juftidan qo'shishga va ayirishga doir misollar tuzing:

$$\begin{array}{l|l|l} 62,5 \text{ va } 427,523 & 100, 108 \text{ va } 75,3 & 405,7 \text{ va } 801,99 \\ 41,7 \text{ va } 519,309 & 97,1 \text{ va } 919,719 & 49,05 \text{ va } 319,007 \end{array}$$

**280.** 1) Ikki sonning yig'indisini toping: 709,409 va 399,803.  
Yig'indini 500,3 ta; 805,76 ta; 31,9 ta orttiring.

2) 300,4 va 127,527 sonlar ayirmasini toping va uni 0,99 ta; 15,075 ta; 189,14 ta orttiring;

3) 105,01 va 89,7 sonlar ayirmasini toping va uni 0,999 ta kamaytiring. Shu sonlar yig'indisini toping va uni 14,095 ta kamaytiring.

**281.** 250,75 kv m yerga kartoshka, undan 50,85 kv m kam yerga karam, kartoshka bilan karam ekilgan yer qancha bo'lsa, undan 127,125 kv. m kam yerga qolgan sabzavotlar ekildi. Ekinlar ekilgan maydon yuzini toping.

$$\begin{array}{ll} \mathbf{282.} & 576,3 + 2,496 + 13,28 & 10,45 - 0,64 \\ & 0,47 + 0,674 + 15,5 & 24,67 - 0,983 \\ & 18,1 + 0,544 + 0,67 & 1,38 - 0,15 \end{array}$$

**283.** Sayyohlar 24,5 km yo'l yurishlari kerak edi. Birinchi kun ular 14,75 km yo'lni bosib o'tishdi. Qolgan yo'l bosib o'tilgan yo'ldan qancha qisqa?

**284.** Uchta kombayn bir kunda 90,5 ga yerdagi bug'doyni o'rdi. Birinchi kombayn 24,4 ga yerdagi, ikkinchisi undan 1,6 ga kam yerdagi bug'doyni o'rdi. Uchinchi kombayn bir kunda qancha maydondagi bug'doyni o'rgan?

**285.** Yig'indini toping:

$$0,95 + 0,65 + 0,705$$

$$0,7 + 0,856 + 19,014$$

$$83,604 + 10,7 + 1,324$$

$$516,3 + 0,172 + 48,2$$

$$0,8 + 0,07 + 0,9$$

$$0,39 + 0,06 + 0,08$$

$$4,9 + 0,3 + 160$$

$$30,8 + 100,7 + 300,4$$

**286.** Taqqoslang:

$$16,075 \dots 17,1$$

$$10,5 \dots 0,999$$

$$6,24 \dots 62,4$$

$$0,09 \dots 1,007$$

$$0,9 \dots 0,9$$

$$567,34 \dots 568,001$$

$$35,1 \dots 0,9$$

$$0,246 \dots 1,1$$

$$20,3 \dots 0,99$$

$$0,987 \dots 1,2$$

**287.** Amallarni bajaring:

$$1,1 - 0,97$$

$$8,7 - 6,7$$

$$10,10 - 5,009$$

$$6,78 + 30,1$$

$$30,2 - 19,997$$

$$0,01 - 0,009$$

$$6,07 - 0,008$$

$$110,09 - 11,03$$

$$0,379 + 10,96$$

$$0,79 + 50,3$$

$$13,9 + 100,2$$

$$0,01 + 20,3$$

**288.** Tikuvchilik ustaxonasida xalatlarga 75,25 m gazlama, ko'ylaklarga undan 17,5 m ortiq gazlama va fartuklarga esa 120,5 m gazlama ishlatildi. Hammasi bo'lib qancha gazlama ishlatilgan?

**289.** Masala tuzing va uni yeching:

$$1) 115,3 \text{ m} \begin{cases} \text{I} - 54,7 \text{ m} \\ \text{II} - \text{undan } 17,8 \text{ m kam} \\ \text{III} - ? \end{cases}$$

$$2) 2450 \text{ so'm} \left\{ \begin{array}{l} \text{I} - 130,2 \text{ so'm} \\ \text{II} - \text{undan } 867,2 \text{ so'm ortiq} \\ \text{III} - ? \end{array} \right.$$



### MUSTAQIL ISH UCHUN TOPSHIRIQLAR

1. Uchta maydondan 770,1 t don yig'ishtirib olindi. Birinchi maydondan 294,5 t, ikkinchi maydondan birinchi maydonga qaraganda 94,86 t kam don yig'ishtirib olindi. Uchinchi maydondan qancha don yig'ishtirib olingan?

2. Neft bazasida 4275,456 t neft mahsulotlari bor edi. Undan birinchi kuni 965,75 t, ikkinchi kuni birinchi kundagidan 75,097 t kam, uchinchi kuni esa ikkinchi kundagidan 209,9 t kam mahsulot olib ketildi. Neft bazasida necha tonna neft mahsuloti qolgan?

3. Amallarni bajaring:

$$49,07 + 8,923$$

$$120,31 - (14,9 + 25,32)$$

$$12,01 - 6,785$$

$$27,096 + 123,104 - 85,079$$

$$0,025 + 0,078$$

$$295,91 + 12,09$$

$$8,1 - 3,08$$

$$373,7 - 127,05$$

4.  $3,14 + 6,325$

$7,4 - 3,372$

$6,2 - 3$

$15,27 - 4,12$

$41,926 + 6,14$

$9 - 3,2$

5. Kasr sonlarni solishtiring:

$5,04 \dots 6,19$

$17,5 \dots 17,325$

$4,21 \dots 4,3$

$31,4 \dots 31,004$

$8,2 \dots 8,20$

$12 \dots 9,908.$

## O'NLI KASRLARNI NATURAL SONGA KO'PAYTIRISH



**Yodda tuting!** O'nli kasrni natural songa ko'paytirish uchun vergulga e'tibor bermay, ko'paytirishni bajarish va ko'paytuvchida o'nli raqam nechta bo'lsa, hosil bo'lgan ko'paytmada o'ng tomondan shuncha raqamni vergul bilan ajratish kerak:

$$\begin{array}{r} \phantom{\times} 4,8 \\ \times \phantom{0} 6 \\ \hline 28,8 \end{array} \quad \begin{array}{r} \phantom{\times} 4,83 \\ \times \phantom{0} 6 \\ \hline 28,98 \end{array} \quad \begin{array}{r} \phantom{\times} 4,831 \\ \times \phantom{0} 6 \\ \hline 28,986 \end{array}$$

**290.**  $1,2 \cdot 3$        $2,3 \cdot 2$        $6,12 \cdot 7$        $2,1 \cdot 4$   
 $3,6 \cdot 3$        $1,03 \cdot 3$        $4,84 \cdot 2$        $2,405 \cdot 4$   
 $1,185 \cdot 5$        $4,5 \cdot 3$        $7,312 \cdot 5$        $2,74 \cdot 3$

**291.** Ko'paytirishni bajaring:

$0,8 \cdot 4$	$0,15 \cdot 6$	$11 \cdot 0,5$	$0,9 \cdot 7$
$2,5 \cdot 4$	$0,3 \cdot 8$	$20 \cdot 0,2$	$2,5 \cdot 8$
$0,2 \cdot 8$	$5 \cdot 0,4$	$1,5 \cdot 7$	$0,7 \cdot 9$

**292.** Hisoblang:

$3,1 \cdot 6$	$2,13 \cdot 4$	$1,83 \cdot 2$
$2,8 \cdot 7$	$3,04 \cdot 5$	$7,06 \cdot 4$
$7,26 \cdot 9$	$1,23 \cdot 4$	$8,19 \cdot 5$

**293.** Do'konga har birida 8,5 kg dan 7 yashik shaftoli va har birida 9,86 kg dan 5 yashik olxo'ri keltirildi. Do'konga hammasi bo'lib qancha meva keltirilgan?

**294.** Hisoblang:

$0,1 \cdot 3$	$0,2 \cdot 4$	$0,136 \cdot 3$	$0,22 \cdot 4$
$0,45 \cdot 2$	$0,1 \cdot 9$	$0,82 \cdot 3$	$0,754 \cdot 5$
$0,2 \cdot 8$	$0,63 \cdot 7$	$0,015 \cdot 4$	$0,05 \cdot 6$
$0,54 \cdot 6$	$0,82 \cdot 5$	$0,96 \cdot 5$	$0,15 \cdot 9$

**295.**

$0,1 \cdot 8$	$10,3 \cdot 2$	$60,1 \cdot 4$	$18,128 \cdot 6$
$0,9 \cdot 6$	$6,78 \cdot 7$	$0,2 \cdot 8$	$26,93 \cdot 2$
$0,083 \cdot 6$	$28,6 \cdot 5$	$5,45 \cdot 7$	$0,018 \cdot 5$
$0,03 \cdot 2$	$0,126 \cdot 4$	$0,975 \cdot 8$	$30,04 \cdot 5$

**296.** Hisoblang:

$5,97 \cdot 7 + 0,765$	$0,31 \cdot 3$	$0,1 \cdot 3$
$10,78 - 1,03 \cdot 7$	$23,85 \cdot 6$	$58,9 \cdot 8$
$0,14 \cdot 15 + 3,79$	$0,24 \cdot 8$	$0,027 \cdot 6$
$0,7896 + 0,6 \cdot 7$	$4,019 \cdot 9$	$9,95 \cdot 6$

**297.** Misollar tuzing va yeching:

1) 

12,083;	6,72;	0,49;	573,4;	1,654;	9,6
---------	-------	-------	--------	--------	-----

 ni  $\rightarrow$ 

3 marta orttiring
-------------------

2) 

5 ga ko'paytiring	$\rightarrow$	72,4	0,156	1,9	20,78	106,5	6,23
-------------------	---------------	------	-------	-----	-------	-------	------

**298.** Ifoda tuzing va qiymatini toping:

- 1) Ko'paytuvchi 0,365 va 8. Ko'paytmani toping.
- 2) Ko'paytuvchi 15 va 0,21 sonlarining yig'indisi. Ko'paytuvchi 4. Ko'paytmani toping.

- 3) 0,312 va 0,4 sonlarining ayirmasini 6 ga ko'paytiring.  
 4) Har biri 0,609 ga teng bo'lgan 4 ta qo'shiluvchining yig'indisini toping.

**299.** Amallarni bajaring:

$$\begin{array}{ll} 0,112 \cdot 4 + 310,2 \cdot 2 & 3,185 \cdot 3 - 0,01 \cdot 9 \\ 43,4 \cdot 2 - 5,402 \cdot 3 & 67,96 \cdot 5 - 0,003 \cdot 9 \\ 2,02 \cdot 3 + 24,06 \cdot 2 & 8,08 \cdot 4 + 0,08 \cdot 5 \\ 14,003 \cdot 2 - 2,009 \cdot 4 & 391,005 \cdot 6 + 0,3 \cdot 6 \end{array}$$

**300.**

Ko'paytuvchi	Ko'paytuvchi	Ko'paytma
0,029	4	?
10,12 - 0,268	5	?
0,384 + 12,09	3	?
7,008 - 0,909	6	?
0,384 + 0,96	14792 - 14790	?

**301.** Bitta ko'ylakka 2,75 m, kostum-shimga 2,80 m gazlama ketadi. 8 ta shunday ko'ylak va 7 ta shunday kostum-shim tikish uchun necha metr gazlama kerak bo'ladi?



## O'NLI KASRLARNI NATURAL SONGA BO'LISH



**Yodda tuting!** O'nli kasrni natural songa bo'lish natural sonlarni bo'lishdagidek bajariladi. Avval butun qismini bo'lishni tugatib, bo'linmada vergul qo'yamiz. Butundan qolganlarni o'ndan bir ulushlarga bo'lamiz, o'ndan bir ulushlar qoldig'ini yuzdan bir ulushlarga, yuzdan bir ulushlar qoldig'ini mingdan bir ulushlarga va hokazo ulushlarga bo'lamiz. Masalan:

$$\begin{array}{r} 1625 \overline{)5} \\ - 15 \phantom{00} \\ \hline 12 \phantom{00} \\ - 10 \phantom{00} \\ \hline 25 \phantom{00} \\ - 25 \phantom{00} \\ \hline 0 \end{array}$$

$$\begin{array}{r} 16,25 \overline{)5} \\ - 15 \phantom{00} \\ \hline 12 \phantom{00} \\ - 10 \phantom{00} \\ \hline 25 \phantom{00} \\ - 25 \phantom{00} \\ \hline 0 \end{array}$$

$$\begin{array}{r} 315,2 \overline{)8} \\ - 24 \phantom{00} \\ \hline 75 \phantom{00} \\ - 72 \phantom{00} \\ \hline 32 \phantom{00} \\ - 32 \phantom{00} \\ \hline 0 \end{array}$$

1625 – bo'linuvchi  
5 – bo'luvchi  
325 – bo'linma

### 302. Bo'lishni bajaring:

$5,46 : 2$

$10,65 : 3$

$672,36 : 3$

$13,44 : 3$

$15,96 : 3$

$847,8 : 8$

$6,48 : 4$

$19,28 : 2$

$579,65 : 3$

### 303. Hisoblang:

$60,5 : 5$

$12,6 : 6$

$32,4 : 8$

$20,8 : 2$

$15,6 : 3$

$45,9 : 9$

$16,4 : 2$

$3,36 : 3$

$4,2 : 3$



304.

<b>Namuna:</b>	$\begin{array}{r l} 0,012 & 4 \\ - & 12 \\ \hline & 0 \end{array}$
----------------	--

$0,8 : 2$

$0,05 : 2$

$0,09 : 3$

$0,848 : 4$

$0,6 : 8$

$0,08 : 4$

$0,008 : 4$

$62,4 : 2$

$0,04 : 2$

$0,6 : 2$

$0,005 : 5$

$9,36 : 3$

$0,009 : 3$

$0,004 : 4$

$0,6 : 3$

$0,639 : 3$

305. Hisoblang:

$0,12 : 6$

$6,18 : 6$

$0,427 : 7$

$7,287 : 7$

$0,16 : 8$

$9,021 : 3$

$0,128 : 4$

$12,208 : 4$

$0,024 : 8$

$16,48 : 8$

$1,59 : 3$

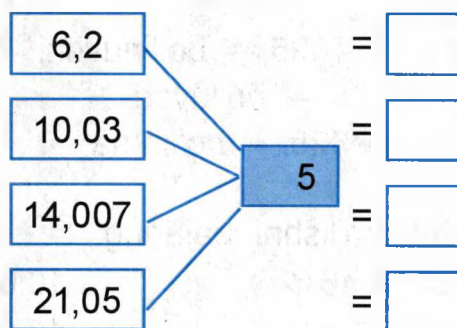
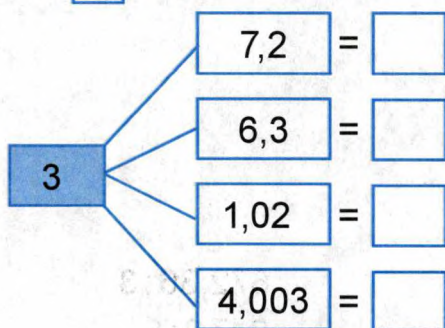
$271,26 : 3$

$0,072 : 9$

$271,54 : 9$

$20,5 : 5$

$540,05 : 5$

306.  o'rnidagi sonni toping:

307. 6,15 m uzunlikdagi sim bo'lagi 3 ta teng bo'lakka bo'lindi. Simning shunday bo'laklaridan ikkitasining uzunligi qancha?

308. Usta 4,2 m uzunlikdagi taxtani 5 ta teng bo'lakka bo'ldi. Taxtaning har bir bo'lagining uzunligi qancha?

**309.** Bo'linmani toping:

$6,244 : 4$	$35,128 : 2$	$8,365 : 5$	$81,054 : 9$
$24,488 : 2$	$44,884 : 7$	$4,036 : 4$	$48,018 : 6$
$66,903 : 3$	$64,287 : 9$	$24,288 : 8$	$24,328 : 4$
$5,145 : 5$	$57,321 : 3$	$10,356 : 6$	$21,497 : 7$

**310.** Avtobus *A* shahardan *B* shaharga borishda 56 km/soat tezlik bilan, *B* shahardan *A* shaharga qaytishda 44 km/soat tezlik bilan yurdi. Avtobus jami yo'lni o'rtacha qanday tezlik bilan yurgan?

**311.** 1) Hasan 7 qadam tashlab, 4,2 m yo'l bosdi. Uning bir qadami uzunligi qancha?

2) Poyezd 486,4 km masofani 8 soatda bosib o'tadi. Shu poyezd 14,2 soatda necha kilometr yo'l bosadi?

**312.** Amallarni bajaring:

$7,2 : 6 + 5,16 : 4$	$15,4 : 7 - 4,83 : 3$
$16,5 : 5 + 13,28 : 4$	$9,5 : 5 + 74,25 : 5$
$36,15 : 5 + 55,32 : 6$	$37,74 : 3 - 21,32 : 4$
$19,72 : 2 - 22,54 : 7$	$35,76 : 4 + 96,15 : 5$

**313.** Hisoblang:

$375,9 : 3$	$195,37 : 7$	$8005,2 : 4$
$36,168 : 6$	$3214,4 : 8$	$4030,5 : 5$
$407,12 : 2$	$8,124 : 6$	$16,436 : 7$
$99,063 : 9$	$1600,4 : 2$	$563,22 : 9$



## MUSTAQIL ISH UCHUN TOPSHIRIQLAR

- 4 ta detal 14,8 kg bo'lsa, shunday 8 ta detalning massasini toping.
- Ikki choy qutidagi choy og'irligi 12,8 kg bo'lsa, 9 ta choy qutidagi choyning og'irligi necha kilogramm?
- $203,4 : 5$                        $28,4 \cdot 9 : 8$                        $17 : 2$   
 $9 \cdot 0,426$                        $491 : 4 \cdot 7$                        $15,6 \cdot 8$
- Bir brigada 5 kun ichida 2,15 km yo'l, ikkinchi brigada esa 3 kun ichida 3,062 km yo'lni ta'mirladi. Har ikki brigada necha km yo'lni ta'mirladi?
- $0,98 \cdot 7$                        $0,096 : 4$                        $14,9 \cdot 3$                        $72,04 : 4$   
 $51,4 \cdot 8$                        $10,1 : 5$                        $5,12 \cdot 2$                        $123 : 2$

## O'NLI KASRLARNI 10, 100, 1000 GA KO'PAYTIRISH VA BO'LISH

- 314.** Butun sonlarni 10, 100, 1000 ga ko'paytirish qoidasini eslang. Misollarni og'zaki yeching:

3 $\cdot$ 10 = 30		12 $\cdot$ 10		106 $\cdot$ 10		37 $\cdot$ 1000
3 $\cdot$ 100 = 300		24 $\cdot$ 100		241 $\cdot$ 100		215 $\cdot$ 10
3 $\cdot$ 1000 = 3000		32 $\cdot$ 1000		506 $\cdot$ 1000		620 $\cdot$ 100

- 315.** Butun sonlarni 10, 100, 1000 ga bo'lish qoidasini eslang. Misollarni og'zaki yeching:

$40 : 10 = 4$ <input type="text"/>		$120 : 10$		$21\,560 : 10$
$400 : 100 = 4$ <input type="text"/>		$700 : 100$		$60\,800 : 100$
$4000 : 1000 = 4$ <input type="text"/>		$10\,000 : 1000$		$30\,000 : 1000$



**Yodda tuting!** O'nli kasrni 10 marta orttirish uchun vergulni bitta raqam o'ngga surish kerak. Masalan,  $4,69 \cdot 10 = 46,9$ .

**316.** Har bir o'nli kasrni 10 marta orttiring:

3,125	6,58	16,44	30,197
6,644	5,35	8,8	94,66
0,017	8,005	6,3	0,7
9,1	0,9	1,06	0,05

**317.** O'nli kasrni 10 marta orttiring: Namuna:  $2,55 : 10 =$

2,55	7,08	7,895	1,005
5,07	0,085	61,72	2,074
0,001	0,079	41,005	0,002
0,007	3,003	52,007	0,185

**318.** Vergulni ikki raqam o'ngga surish bilan o'nli kasrning 100 marta ortishini bilib oldik.

4,335 ni 100 marta orttiramiz. Natijada, quyidagini hosil qilamiz:  $4,335 \cdot 100 = 433,5$ .

2,5 ni 100 ga ko'paytiring.  $2,5 \cdot 100 = ?$

2,5 ni 100 marta orttirish uchun vergulni ikki raqam o'ngga surish kerak. Ammo 2,5 sonida faqat bitta o'nli raqam bor. Ikkita o'nli raqam hosil qilish uchun uning o'ng tomoniga bitta nol yozib qo'yish kerak (bu bilan kasrning qiymati o'zgarmaydi):  $2,5 \cdot 100 = 250$ .



**Yodda tuting!** O'nli kasrni 100 marta orttirish uchun vergulni ikki raqam o'ngga surish kerak.

Masalan,  $1,448 \cdot 100 = 144,8$     $3,7 \cdot 100 = 370$

Har bir o'nli kasrni 100 marta orttiring:

8,014	7,362	0,756	0,087
6,007	4,305	9,007	1,011
5,36	0,44	16,15	0,567
0,034	0,08	0,2	10,2

**319.** O'nli kasrlarni 100 marta orttiring:

12,039	4,011	0,03	10,085
0,087	0,09	1,308	9,712
6,8	3,1	0,05	21,5
0,725	0,016	0,006	12,70

**320.** O'nli kasrlarni 100 marta orttiring:

6,8	3,1	0,05	21,5
0,725	0,016	0,006	12,70

**321.** Vergulni uch raqam o'ngga surish bilan o'nli kasr 1000 marta ortadi. 5,234 ni 1000 marta orttiramiz:

$5,234 \cdot 1000 = 5234$  yoki  $7,3 \cdot 1000 = 7300$



**Yodda tuting!** O'nli kasrni 1000 marta orttirish uchun vergulni uch raqam o'ngga surish kerak.

$5,679 \cdot 1000 = 5679$ ;  $3,7 \cdot 1000 = 3700$ ;

$1,56 \cdot 1000 = 1560$

Har bir o'nli kasrni 1000 marta orttiring:

3,1734	2,603	5,72	9,4
4,5689	8,107	2,03	2,5

**322.** 1000 marta orttiring:

0,3210	0,408	0,061	0,001
7,2879	2,351	1,67	1,3

**323.** 1000 marta orttiring:

0,148	0,037	14,289	0,814	0,07
0,306	0,007	0,7681	0,603	0,9
0,05	0,1	0,2	5,153	2,306

<b>324.</b> $3,25 \cdot 10$	$0,374 \cdot 10$	$3,144 \cdot 100$	$0,176 \cdot 100$
$7,04 \cdot 10$	$0,065 \cdot 10$	$6,037 \cdot 100$	$0,035 \cdot 100$
$5,07 \cdot 10$	$0,09 \cdot 10$	$4,62 \cdot 100$	$0,07 \cdot 100$
$4,8 \cdot 10$	$0,2 \cdot 10$	$1,5 \cdot 100$	$0,1 \cdot 100$

**325.** Har biri 1,65 so'mdan 100 varaq qog'oz sotib olindi.  
Hamma qog'ozga necha so'm to'langan?

**326.** Har biri 1,29 so'mdan 100 ta rangli qalam sotib olindi.  
Hamma qalamga necha so'm to'landi?

<b>327.</b> $7,15 \cdot 10$	$0,013 \cdot 10$	$1,8 \cdot 100$	$6,37 \cdot 100$
$1,084 \cdot 100$	$0,014 \cdot 100$	$0,008 \cdot 100$	$5,1 \cdot 10$
$9,01 \cdot 10$	$3 \cdot 10$	$0,7 \cdot 10$	$0,3 \cdot 100$
$6,3 \cdot 100$	$60 \cdot 100$	$56,1 \cdot 10$	$17,1 \cdot 100$

<b>328.</b> $6\,384 \cdot 1\,000$	$0,784 \cdot 1\,000$	$0,076 \cdot 10$	$4,9 \cdot 1\,000$
$3,978 \cdot 1\,000$	$0,063 \cdot 1\,000$	$0,008 \cdot 1\,000$	$0,3 \cdot 1\,000$
$6,12 \cdot 1\,000$	$0,07 \cdot 1\,000$	$0,06 \cdot 100$	$0,8 \cdot 100$



**Yodda tuting!** O'qli kasrni 10 marta kamaytirish uchun vergulni bir raqam chapga surish kerak. Masalan,  $45,8 : 10 = 4,58$ .

**329.** O'qli kasrni 10 marta kamaytiring:

165,3	204,5	100,7	435,3
314,2	108,7	300,9	807,2
1,5	2,9	6,4	9,2
173,5	600,7	20,7	700,3

**330.** O'qli kasrni 10 marta kamaytiring:

63,8	70,8	10,1	8,5
24,5	40,3	90,3	30,7
37,5	9,04	7,01	3,44
3,7	7,09	5,8	7,3

**331.** Vergulni ikki raqam chapga surganda o'qli kasr 100 marta kamayadi. 17,3 ni 100 marta kamaytiramiz. Natijada,  $17,3 : 100 = 0,173$  ni hosil qilamiz.

5,1 ni 100 marta kamaytiramiz.

$$5,1 : 100 = ?$$

5,1 ni 100 marta kamaytirish uchun vergulni ikki raqam chapga surish kerak. Ammo 5,1 sonida verguldan chapda faqat bitta raqam bor. Ikkita o'qli raqam hosil qilish uchun kasrning butun qismini oldida nollar qo'shib yoziladi (bu bilan butun sonning qiymati o'zgarmaydi):

$$0,51 : 100 = 0,0051$$

$$0,3 : 100 = 0,003$$



**Yodda tuting!** O'nli kasrlarni 100, 1000 marta kamaytirish uchun vergulni ikki, uch raqam chapga surish kerak.

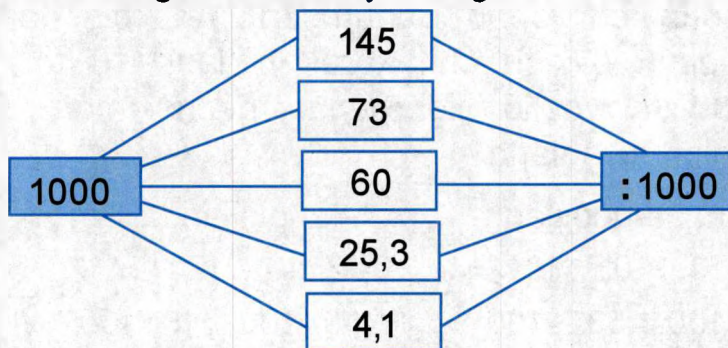
Masalan,  $42,8 : 100 = 0,428$

$342 : 1000 = 0,342$

$0,9 : 100 = 0,009$

$15 : 1000 = 0,015$

**332.** Misollar tuzing va ularni yeching:



**333.** Har bir sonni necha marta orttirish yoki kamaytirish mumkin?

$1,2 \cdot 1 \square = 120$

$238 : 1 \square = 23,8$

$0,8 \cdot 1 \square = 8$

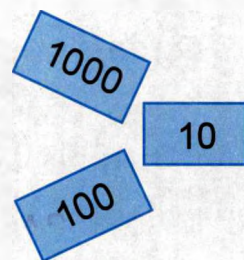
$145 : 1 \square = 0,145$

$5,3 \cdot 1 \square = 5300$

$36,2 : 1 \square = 3,62$

$0,72 \cdot 1 \square = 72$

$24 : 1 \square = 0,24$



**334.** Misollar tuzing va yeching:

Sonlar	13,4	2,06	72	0,5	9	128,4
10 marta orttiring						
10 marta kamaytiring						
100 marta orttiring						
100 marta kamaytiring						





## MUSTAQIL ISH UCHUN TOPSHIRIQLAR

- $5,4 \cdot 100$        $183 : 1000$        $4,7 : 100$        $0,197 \cdot 100$   
 $3,7 : 10$        $0,5 \cdot 1000$        $15,6 \cdot 10$        $67,8 : 100$
- $12,4 \text{ kg} \cdot 10$        $3,72 \text{ sr} \cdot 100$        $7,2 \text{ t} : 10$   
 $15,9 \text{ m} : 10$        $19,8 \text{ t} : 100$        $0,6 \text{ sm} \cdot 10$
- Bir dona choyshab uchun 2,15 m, bir dona yostiq jildi uchun 0,6 m chit kerak bo'ladi. 10 ta choyshab va 100 ta yostiq jildi uchun necha metr chit zarur bo'lishini hisoblang.
- Sonlarni taqqoslang,  $>$ ,  $<$ ,  $=$  belgilaridan mosini qo'ying:  
 $10,7$   $10 \dots$   $10,7 : 10$        $0,12$   $10 \dots$   $12 : 10$   
 $5,32$   $100 \dots$   $532 : 100$        $1,39$   $100 \dots$   $10$   $100$

## YAXLIT O'NLIK, YUZLIK, MINGLIKLARGA KO'PAYTIRISH VA BO'LISH

335. Og'zaki yeching:

$3 \text{ } 10$	$0,3 \text{ } 2$	$6 \text{ } 20$	$0,12 \text{ } 100$	$0,72 \text{ } 1000$
$0,3 \text{ } 10$	$0,32 \text{ } 3$	$0,6 \text{ } 2$	$0,12 \text{ } 3$	$0,07 \text{ } 2$

336. Misollar yechilishiga qarang. Butun sonlar va o'nli kasrlarni yaxlit o'nlik, yuzlik, mingliklarga ko'paytirishni taqqoslang. Misollarni yeching va tushuntiring:

a)

$\begin{array}{r} \times 3045 \\ \hline 40 \\ \hline 121800 \end{array}$	$\begin{array}{r} \times 3,045 \\ \hline 40 \\ \hline 121,800 \end{array}$	$\begin{array}{r} \times 27,15 \\ \hline 30 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} \times 6,9 \\ \hline 50 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} \times 0,126 \\ \hline 20 \\ \hline \dots\dots \end{array}$
--	--	---	---	---

O'nli kasrlar yaxlit o'nliklarga qanday ko'paytiriladi?

b)

$\begin{array}{r} \times 540 \\ \hline 600 \\ \hline 324000 \end{array}$	$\begin{array}{r} \times 0,54 \\ \hline 600 \\ \hline 324,00 \end{array}$
--	---

$$\begin{array}{r} \times 12,7 \\ \hline 400 \end{array}$$

$$\begin{array}{r} \times 0,106 \\ \hline 700 \end{array}$$

$$\begin{array}{r} \times 3,04 \\ \hline 200 \end{array}$$

.....

O'nli kasrlar yaxlit yuzliklarga qanday ko'paytiriladi?

d)

$\begin{array}{r} \times 116 \\ \hline 5000 \\ \hline 580000 \end{array}$	$\begin{array}{r} \times 11,6 \\ \hline 5000 \\ \hline 580,000 \end{array}$
---	---

$$\begin{array}{r} \times 0,154 \\ \hline 3000 \end{array}$$

$$\begin{array}{r} \times 2,56 \\ \hline 4000 \end{array}$$

$$\begin{array}{r} \times 0,6 \\ \hline 6000 \end{array}$$

.....

O'nli kasrlar yaxlit mingliklarga qanday ko'paytiriladi?

**337.**  $0,052 \cdot 3000$

$1,289 \cdot 70$

$18,39 \cdot 500$

$15,7 \cdot 600$

$0,048 \cdot 900$

$0,897 \cdot 400$

**338.**  $245 \cdot 400$

$187,7 \cdot 50$

$53,2 \cdot 7000$

$24,5 \cdot 400$

$1,877 \cdot 50$

$5,32 \cdot 7000$

$2,45 \cdot 400$

$18,77 \cdot 50$

$0,532 \cdot 7000$

$0,245 \cdot 400$

$1877 \cdot 50$

$532 \cdot 7000$

Har bir ustundagi misollarning o'xshash va farq qiluvchi tomonlarini ayting.

339. $53,6 \cdot 400$	$5,17 \cdot 900$	$0,123 \cdot 5000$	$72,08 \cdot 0$
$0,189 \cdot 70$	$0,08 \cdot 9000$	$14,76 \cdot 40$	$5,039 \cdot 70$
$3,12 \cdot 1000$	$50,63 \cdot 100$	$36,08 \cdot 10$	$1,03 \cdot 800$

340. Sayyohlar avtobus bilan 63,5 km yo'l, poyezd bilan esa 30 marta ko'p yo'l bosib o'tdilar. Sayyohlar poyezd bilan qancha yo'l bosib o'tdilar?

341. Bir dona choyshab uchun 2,15 m chit kerak bo'ladi. Bir smenada brigada 300 ta shunday choyshab tikib topshirdi. Shu choyshablarni tikish uchun necha metr chit sarflandi?

342. Butun sonlar va o'nli kasrlarni yaxlit o'nlik, yuzlik, mingliklarga bo'lishni taqqoslang:

$\begin{array}{r l} \overbrace{86520} & 40 \\ \hline - & 80 \\ \hline & \underline{65} \\ - & 40 \\ \hline & \underline{252} \\ - & 240 \\ \hline & \underline{120} \\ - & 120 \\ \hline & 0 \end{array}$	$\begin{array}{r l} \overbrace{86,520} & 40 \\ \hline - & 80 \\ \hline & \underline{65} \\ - & 40 \\ \hline & \underline{252} \\ - & 240 \\ \hline & \underline{120} \\ - & 120 \\ \hline & 0 \end{array}$
---	--

$$\begin{array}{r|l} \overbrace{24,900} & 50 \\ \hline - & 200 \\ \hline & \underline{490} \\ - & 450 \\ \hline & \underline{400} \\ - & 400 \\ \hline & 0 \end{array}$$

$$\begin{array}{r|l} \overbrace{19,80} & 60 \\ \hline - & 180 \\ \hline & \underline{180} \\ - & 180 \\ \hline & 0 \end{array}$$

$$\begin{array}{r|l} \overbrace{13,400} & 200 \\ \hline - & 1200 \\ \hline & \underline{1400} \\ - & 1400 \\ \hline & 0 \end{array}$$

$$\begin{array}{r|l} \overbrace{17500,0} & 7000 \\ \hline - & 14000 \\ \hline & \underline{35000} \\ - & 35000 \\ \hline & 0 \end{array}$$

**343.** Amalni tekshirish bilan bajaring:

$$45,6 : 40 \qquad 8,16 : 20 \qquad 945\,000 : 50$$

$$26,01 : 90 \qquad 73,800 : 30 \qquad 6,640 : 50$$

**344.**  $6,510 : 70$  |  $4,680 : 60$  |  $38,960 : 80$  |  $3,4500 : 30$

$$22,80 : 60 \qquad 39,500 : 50 \qquad 81,720 : 90 \qquad 52,200 : 60$$

$$2,920 : 40 \qquad 16800 : 70 \qquad 76,800 : 50 \qquad 4,640 : 80$$

**345.** Masalalar tuzing va yeching:

	Tezlik	Masofa	Vaqt
mashina	60 km/soat	2880 km	?
poyezd	100 km/soat	2880 km	?
samolyot	900 km/soat	2880 km	?

**346.** 4,5 kg pecheniy 20 ta paketga joylashtirildi. Har bir paketdagi pecheniyar og'irligi qancha?

**347.**  $259,68 : 60 + 3,240 : 20$   $6,3 : 9 \cdot 80$

$$42,903 : 70 - 61,50 : 50 \qquad 0,72 : 8 \cdot 70$$

$$2,596 : 80 - 8,130 : 30 \qquad 0,056 : 7 \cdot 50$$

**348.** Bir tup olxo'ri daraxtidan o'rta hisobda 123,4 kg meva terib olindi. 20 tup shunday daraxtdan qancha hosil yig'ib olindi?

**349.**  $781,40 : 40$   $8,600 : 20$   $0,98 \cdot 70$   $175,3 \cdot 80$

$$159,060 : 30 \qquad 1,01 : 5 \qquad 64,09 \cdot 40 \qquad 0,036 \cdot 30$$

**350.**  $1 : 20$   $0,9 : 30$   $0,44 : 40$   $19 : 80$

$$14 : 80 \qquad 0,07 : 5 \qquad 0,1 : 20 \qquad 30 : 50$$

$$64 : 40 \qquad 7,48 : 40 \qquad 0,008 : 4 \qquad 15 : 40$$



## MUSTAQIL ISH UCHUN TOPSHIRIQLAR

1. 3,5 t sabzi 70 ta qopga teng joylandi. Bir qop sabzi massasini hisoblang.
2. Bir dona paketda 0,52 kg pryanik joylangan bo'lsa, 70 ta paketda necha kilogramm pryanik joylashtirilgan?
3.  $15,43 \cdot 50$  |  $0,035 \cdot 7000$  |  $16,25 : 50$  |  $0,9 : 300$   
 $0,844 \cdot 600$  |  $183,7 \cdot 100$  |  $15 : 30$  |  $2,7 : 50$
4. Javoblarni taqqoslang,  $>$ ,  $<$ ,  $=$  ishoralaridan mosini qo'ying:  
 $0,02$   $10 \dots 1 : 20$        $14 : 80 \dots 15 : 40$   
 $3 : 40 \dots 0,3$   $400$        $0,009$   $100 \dots 90 : 10$

## IKKI XONALI SONGA KO'PAYTIRISH VA BO'LISH

351. Butun va o'nli kasrlarni ikki xonali songa ko'paytirishni taqqoslang:

$\begin{array}{r} \times 2136 \\ 32 \\ \hline + 4272 \\ 6408 \\ \hline 68352 \end{array}$	$\begin{array}{r} \times 2,136 \\ 32 \\ \hline + 4272 \\ 6408 \\ \hline 68,352 \end{array}$	$\begin{array}{r} \times 21,36 \\ 32 \\ \hline + 4272 \\ 6408 \\ \hline 683,52 \end{array}$	$\begin{array}{r} \times 213,6 \\ 32 \\ \hline + 4272 \\ 6408 \\ \hline 6835,2 \end{array}$
---	---	---	---



O'nli kasrni ikki xonali songa ko'paytirish, butun sonni ikki xonali songa ko'paytirish kabi bajariladi, faqat o'nli kasrda verguldan keyingi sonlar nechta bo'lsa, ko'paytma javobida o'ngdan shuncha raqam hisoblanib belgi qo'yiladi.

**352.** Og'zaki yeching:

$0,2 \cdot 3$	$3,3 \cdot 3$	$0,12 \cdot 3$	$8,01 \cdot 2$	$12,3 \cdot 3$
$1,4 \cdot 2$	$1,5 \cdot 2$	$0,24 \cdot 2$	$5,02 \cdot 3$	$10,4 \cdot 2$
$1,003 \cdot 3$	$0,021 \cdot 4$	$1,006 \cdot 2$	$0,012 \cdot 4$	$5,32 \cdot 3$

**353.** Ko'paytmani toping:

$0,42 \cdot 12$	$0,5 \cdot 37$	$0,43 \cdot 69$	$20,325 \cdot 15$
$16,28 \cdot 25$	$12,14 \cdot 32$	$4,7 \cdot 42$	$0,427 \cdot 26$
$14,06 \cdot 36$	$65,08 \cdot 14$	$0,63 \cdot 81$	$1,104 \cdot 43$
$0,125 \cdot 18$	$1,8 \cdot 75$	$24,09 \cdot 45$	$11,04 \cdot 28$

**354.** Maydonning bo'yi 42 m, eni esa 18,5 m. Maydonning yuzini toping.

**355.** Og'zaki yeching:

$8,4 : 4$	$24,6 : 2$	$0,9 : 3$
$0,8 : 2$	$24,63 : 3$	$0,8 : 4$
$15,6 : 3$	$24,08 : 4$	$0,06 : 3$
$10,5 : 5$	$24,6 : 6$	$0,09 : 3$

**356.** Butun sonlar va o'nli kasrlarni ikki xonali songa bo'lish amalini solishtiring:

$\begin{array}{r l} \overline{65844} & 36 \\ \hline \underline{36} & 1829 \\ 298 & \\ \underline{288} & \\ 104 & \\ \underline{72} & \\ 324 & \\ \underline{324} & \\ 0 & \end{array}$	$\begin{array}{r l} \overline{65,844} & 36 \\ \hline \underline{36} & 1,829 \\ 298 & \\ \underline{288} & \\ 104 & \\ \underline{72} & \\ 324 & \\ \underline{324} & \\ 0 & \end{array}$	$\begin{array}{r l} \overline{658,44} & 36 \\ \hline \underline{36} & 18,29 \\ 298 & \\ \underline{288} & \\ 104 & \\ \underline{72} & \\ 324 & \\ \underline{324} & \\ 0 & \end{array}$
--	--	--

**357.** 1) O'nli kasrlarni ikki xonali songa bo'lish namunalari ko'rib chiqing. Amallarni bajarish tartibini tushuntiring:

$$4 : 16 = 0,25$$

```

  4 | 16
  - 0 | 0,25
    --
    40
   - 32
    --
    80
   - 80
    --
     0
  
```

$$1,29 : 15 = 0,086$$

```

 1,29 | 15
  - 0 | 0,086
    --
    12
   - 0
    --
   129
  - 120
   --
    90
   - 90
   --
    0
  
```

2) Misollarni yeching:

$124,32 : 24$

$184,05 : 45$

$94,99 : 23$

$201,6 : 12$

$1729,6 : 47$

$499,2 : 16$

$286,02 : 35$

$9105,2 : 13$

$31,07 : 65$

$77,49 : 18$

$1336,8 : 12$

$442,8 : 72$

**358.** Bo'linmani toping:

$28,8 : 48$

$9,36 : 52$

$8,988 : 42$

$31,5 : 35$

$8,64 : 16$

$25,38 : 36$

$65,1 : 93$

$25,84 : 34$

$34,888 : 98$

$37,6 : 47$

$5,49 : 18$

$45,675 : 75$

**359.** Misollar tuzing va yeching:

Orttiring

31,5 ni 15 marta      21,4 ni 3,7 taga  
8,64 ni 24 marta      9,72 ni 1,8 taga

Kamaytiring

1,062 ni 18 marta      1,035 ni 0,75 taga  
9105,2 ni 15 marta      9,72 ni 18 taga

**360.** Misollarni yeching, bo'lish bilan tekshiring:

$35,7 \cdot 62$	$9,18 \cdot 34$	$0,183 \cdot 42$	$200,07 \cdot 15$
$10,8 \cdot 13$	$12,06 \cdot 75$	$2,063 \cdot 72$	$16,712 \cdot 26$
$125,6 \cdot 24$	$18,09 \cdot 10$	$5,007 \cdot 81$	$19,305 \cdot 37$
$42,5 \cdot 60$	$204,32 \cdot 16$	$0,608 \cdot 40$	$806,301 \cdot 10$

**361.** Bo'linmani toping:

$83 : 2$	$1557,6 : 48$	$25,156 : 38$
$78 : 8$	$2139 : 35$	$7,84 : 56$
$154 : 25$	$8172 : 24$	$1,47 : 42$
$687 : 15$	$18213 : 26$	$1,062 : 18$

**362.** Toshkentdan Nukusgacha masofa 1255 km dan iborat bo'lib, avtobus soatiga 50 km tezlik bilan yo'lni bosib o'tdi. Avtobus ushbu masofani necha soatda bosib o'tadi?

**363.** Birinchi poyezd 8 soatda 564 km, ikkinchi poyezd esa 10 soatda 684 km yo'lni bosib o'tdi. Qaysi poyezd tezligi ortiq va qanchaga ortiq?

**364.** Yengil mashina 8 soatda 436,8 km yo'lni, yuk mashinasi esa xuddi shu vaqtda 327,2 km yo'lni bosib o'tdi. Yengil mashina tezligi qanchaga ortiq?

**365.**  $7,173 \cdot 15 - 14,07$   $(12,3 - 6,75) \cdot 14$   
 $43,79 \cdot 26 - 123,08$   $(72,3 + 29,063) \cdot 27$   
 $18,464 \cdot 17 + 89,75$   $(86,8 - 38,129) \cdot 50$

**366.** Misollar tuzing va amallarni bajaring:

- 1) 135,4 va 49,7 sonlari ayirmasini 13 marta orttiring.
- 2) 405,006 va 109,074 sonlari yig'indisini 100 marta kamaytiring.
- 3) 73,08 va 9,75 sonlari yig'indisini 36 ga ko'paytiring.



**367. Misollarni yeching:**

$$\begin{array}{ll} (94,6 - 77,8) : 25 & 2407,68 : 32 \\ (102,32 - 29,42) : 18 & 681,66 : 21 \\ (81,06 + 0,7 + 151,34) : 50 & 1191,6 : 60 \\ (0,304 + 12,72 + 28,106) : 100 & 740,25 : 45 \end{array}$$

**368. Masalalar tuzing va yeching:**

I ekin maydoni	38 ga – 923,4 sr	1 ga – ? sr
II ekin maydoni	27 ga – 772,2 sr	1 ga – ? sr
III ekin maydoni	30 ga – 825 sr	1 ga – ? sr

**369. Misollar tuzing va yeching:**

- 1) 547,2 sonini 2 marta kamaytiring, bo'linmani 10 marta orttiring.
- 2) 250,6 sonini 35 ga bo'ling, bo'linmani 13 ga ko'paytiring.
- 3) 1627,2 sonini 18 marta kamaytiring, bo'linmani 7 ga ko'paytiring.
- 4) 8116,2 sonini 27 marta kamaytiring, bo'linmani 100 marta orttiring.

**370.** Bir xil quvvatli traktor yordamida 247,05 ga yer haydaldi. Birinchi traktor 15 kun, ikkinchisi 12 kun ishladi. Har bir traktor necha gektar yer haydadi?

**371.** Har bir sigirga 5,3 t, har bir buzoqqa 2,5 tonnadan hisoblab, qish mavsumi uchun 375 ta sigir va 245 ta buzoqqa yem-xashak tayyorlandi. Hammasi bo'lib necha tonna yem-xashak tayyorlanishi kerak?

372. Misollarni yeching:

$$(136,782 - 97,33) : 8$$

$$(301,4 - 256,78) \cdot 19$$

$$(94,47 + 29,058) + 6$$

$$(17,5 - 9,126) \cdot 28$$

$$(73,8 + 14,27) : 100$$

$$(200,5 - 34,79) \cdot 4$$

$$(0,08 + 135,705) \cdot 5$$

$$(15,003 - 9,46) \cdot 36$$

373. Misollar tuzing va yeching:

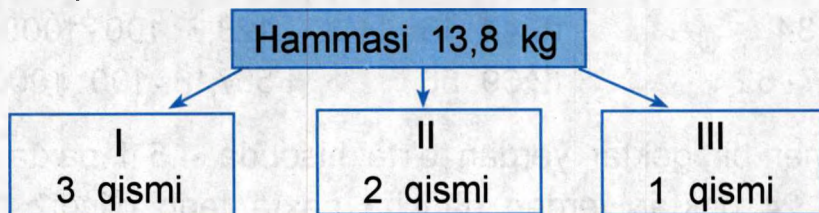
1) 18,3 soniga 24,537 va 3 sonlari bo'linmasini qo'shing.

2) 4,25 va 14 sonlari ko'paytmasini 12 marta orttiring.

3) 20,5 va 8,128 sonlari ayirmasini 4 marta kamaytiring.

4) 5,639 va 17,8 sonlari yig'indisini 17 marta orttiring.

374. Qisqa shart asosida masala tuzing:



375. Ikki yuk mashinasiga 7,5 t yuk ortildi. Agar ikkinchi mashinadagi yuk ikki baravar og'ir bo'lsa, har bir mashinaga ortilgan yuk massasini hisoblang.

376. Yer uchastkasining maydoni 62 ga. Yer uchastkasining 5 qismi turar joylarga, 3 qismi ko'kalamzorlashtirishga, 2 qismi sport maydoniga ajratildi. Sport maydoniga qaraganda turar joylarga necha gektar ortiq yer ajratildi?

377.  $1027,9 : 38 \cdot 14$

$$391,17 : 65 \cdot 15$$

$$222 : 15 \cdot 24$$

$$1332,66 : 38 \cdot 70$$

$$20,05 \cdot 42 : 25$$

$$6,975 \cdot 14 : 18$$

$$800,6 \cdot 35 : 40$$

$$24,3 \cdot 48 : 16$$

378. Misollar tuzing va ularni yeching:

:
4487,2 va 79
4267,35 va 87
767,03 va 95
1923,84 va 64

×
24 va 70,8
72 va 4,97
5,004 va 38
300,6 va 45

379. Misollarni yeching:

$0,75 \cdot 28$

$2451 : 60$

$17,5 : 100 \cdot 1000$

$0,736 \cdot 45$

$3186 : 45$

$53,027 \cdot 100 : 10$

$0,9 \cdot 84$

$15,44 : 16$

$128,3 : 100 \cdot 1000$

$0,007 \cdot 62$

$12,69 : 50$

$567,18 \cdot 100 : 1000$

380. Fermer bir gektar yerdan o'rtta hisobda 4,5 t paxta terib oldi. 24 gektar yerdan qancha paxta terib olindi?

381. Tegirmonda 100 kg bug'doydan 80 kg un ortildi. Har kuni 48t un ishlab chiqish uchun qancha bug'doy kerak bo'ladi?

382. Yoz davomida bir dona dala sichqoni o'rtta hisobda 0,99 kg bug'doyni yeb ketadi. Boyqush esa yoz davomida 1000 ta sichqonni ovlab yeydi. 10 ta boyqush yoz bo'yi necha kg bug'doyni saqlab qoladi?

383. Misollarni yeching:

$12,3 \cdot 47 - 13,787$

$(30,1 - 24,846) \cdot 18 + 14,207$

$$13,8 \cdot 42 + 453 \cdot 14 - 189,6$$

$$(73,8 - 29,91) - 1,06 \cdot 10$$

$$(147,01 - 29,645) - 9,9 \cdot 10 + 1$$

**384.** Amallarni bajaring:

$3668 : 35 \cdot 100$	$708,6 : 100 \cdot 32$
$973,4 : 12 \cdot 1000$	$30,6 : 10 \cdot 54$
$10319,7 : 20 \cdot 100$	$0,8 : 100 \cdot 39$
$57,6 : 48 \cdot 10$	$126 : 10 \cdot 40$

**385.** Misollarni yeching, javoblar to'g'riligini ko'paytirish bilan tekshiring:

a) $9,86 : 58$	$6,9 : 50$	$10,2 : 60$
$72,8 : 28$	$36 : 72$	$11,04 : 23$
b) $6,9 \cdot 46$	$54 \cdot 12,3$	$11,25 \cdot 47$
$0,082 \cdot 65$	$12,7 \cdot 80$	$3,4 \cdot 62$



### **MUSTAQIL ISH UCHUN TOPSHIRIQLAR**

- Avtomobilchi 18 kun yo'l yurib, 2880 km yo'lni bosib o'tdi. Avtomobilchining 8 kun davomida bosib o'tgan yo'lini hisoblang.
- 2,4 metr chitdan 3 ta yostiq jildi tikildi. 10 ta yostiq jildi uchun necha metr chit kerak bo'ladi?
- |                  |                 |                   |
|------------------|-----------------|-------------------|
| $24,936 : 24$    | $24,8 \cdot 35$ | $2803,92 : 56$    |
| $0,748 \cdot 18$ | $196,48 : 64$   | $12,703 \cdot 26$ |
- |                  |                  |                   |
|------------------|------------------|-------------------|
| $23,28 : 12$     | $614,7 : 18$     | $35,6 : 10$       |
| $52,08 \cdot 14$ | $0,543 \cdot 23$ | $6,308 \cdot 100$ |
- $(79,389 + 390,049) : 34$                        $40,158 : 23 - 0,073 \cdot 13$

## O'LGHASHDA HOSIL BO'LGAN SONLARNI O'NLI KASR SHAKLIDA IFODALASH

386. 1) Bir detsimetr necha santimetr?

Yoziq:  $1 \text{ dm} = 10 \text{ sm}$

Bir santimetr detsimetrning qaysi bo'lagini tashkil etadi?

Yoziq:  $1 \text{ sm} = \frac{1}{10} \text{ dm}$  bo'ladi. U maxrajsiz quyidagicha

yoziq:  $\frac{1}{10} \text{ dm} = 0,1 \text{ dm}$ .

2) Namuna asosida jadval tuzing:

<b>1 dm = 10 sm</b>	<b>1 sm = 0,1 dm</b>
<b>1 sm = ... mm</b>	<b>1 mm = ... sm</b>
<b>1 m = ... dm</b>	<b>1 dm = ... m</b>
<b>1 t = ... sr</b>	<b>1 sr = ... t</b>

1 sm – detsimetrning qaysi bo'lagi?

1 mm – santimetrning qaysi bo'lagi?

1 dm – metrning qaysi bo'lagi?

1 sr – tonnaning qaysi bo'lagi?

387. Yirikroq o'lchov birliklarida ifodalang. Namunaga ko'ra o'nli kasr shaklida yoziq:

**3 sm 5 mm = 3,5 sm**

**7 mm = 0,7 sm**

7 m 3 dm = ... m

6 sr = ... t

9 dm 4 sm = ... dm

5 dm = ... m

12 t 7 sr = ... t

8 sm = ... dm

**388.** Bir metr necha santimetr?

Yozing:  $1 \text{ m} = 100 \text{ sm}$ .  $1 \text{ sm}$  metrning qaysi bo'lagini tashkil etadi?  $1 \text{ sm} = \frac{1}{100} \text{ m}$ . Uni maxrajsiz quyidagi

shaklda yozamiz:  $\frac{1}{100} \text{ m} = 0,001 \text{ m}$ .

2) Namuna asosida jadval tuzing:

<b>1 m = 100 sm</b>	<b>1 sm = 0,01 m</b>
<b>1 sr = ... kg</b>	<b>1 mm = ... sm</b>
<b>1 so'm = ... tiyin</b>	<b>1 tiyin = ... so'm</b>

1 sm – metrning qaysi bo'lagi?

1 kg – sentnerning qaysi bo'lagi?

1 tiyin – so'mning qaysi bo'lagi?

**389.** Yirikroq o'lchov birliklarida ifodalang. Namunaga ko'ra o'nli kasr ko'rinishida yo'zing:

**5 m 6 sm = 5,06 m**

**32 kg = 0,32 sr**

16 sr 24 kg = ... sr

68 sm = ... m

9 so'm 3 tiyin = ... som

72 tiyin = ... so'm

**8 tiyin = 0,08 so'm**

7 kg = ... sr

3 sm = ... m

Barcha holatlarda yirik va mayda o'lchov birliklarida qanday o'zgarish bo'ldi? Verguldan so'ng nechta xona birligi bor?

390. O'nli kasr ko'rinishida yozing:

$$8 \text{ m } 16 \text{ sm} = \dots \text{ m}$$

$$32 \text{ so'm } 35 \text{ tiyin} = \dots \text{ so'm}$$

$$3 \text{ sr } 9 \text{ kg} = \dots \text{ sr}$$

$$7 \text{ sm} = \dots \text{ m}$$

$$72 \text{ tiyin} = \dots \text{ so'm}$$

$$8 \text{ kg} = \dots \text{ sr}$$

$$5 \text{ sr } 12 \text{ kg} = \dots \text{ sr}$$

$$63 \text{ sm} = \dots \text{ m}$$

$$40 \text{ so'm } 5 \text{ tiyin} = \dots \text{ so'm}$$

$$45 \text{ kg} = \dots \text{ sr}$$

$$13 \text{ m } 2 \text{ sm} = \dots \text{ m}$$

$$9 \text{ tiyin} = \dots \text{ so'm}$$

391. 1) 1 kilometr necha metr? Yozing:  $1 \text{ km} = 1000 \text{ m}$ . 1 metr kilometrning qaysi qismini tashkil etadi?

Yozing:  $1 \text{ m} = \frac{1}{1000} \text{ km}$  ni maxrajsiz yozsak, o'nli kasr ko'rinishda  $\frac{1}{1000} \text{ km} = 0,001 \text{ km}$  shaklida yoziladi.

2) Namuna asosida jadval tuzing:

<b>1 km = 1000 m</b>	<b>1 m = 0,001 km</b>
1 m = ... mm	1 mm = ... m
1 t = ... kg	1 kg = ... m
1 kg = ... g	1 g = ... kg

1 m – kilometrning qanday qismi?

1 mm – metrning qanday qismi?

1 kg – tonnaning qanday bo'lagi?

1 g – kilogrammning qanday bo'lagi?

392. Yirikroq o'lchov birliklarida yozing:

$$3 \text{ m } 207 \text{ mm} = 3,207 \text{ m}$$

$$4 \text{ kg } 15 \text{ g} = \dots \text{ kg}$$

$$18 \text{ t } 6 \text{ kg} = \dots \text{ t}$$

$$403 \text{ g} = 0,403 \text{ kg}$$

$$913 \text{ kg} = \dots$$

$$19 \text{ mm} = \dots$$

$15 \text{ kg} = 0,015 \text{ t}$

$27 \text{ mm} = \dots \text{ m}$

$9 \text{ g} = \dots \text{ kg}$

$3 \text{ mm} = 0,003 \text{ dm}$

$5 \text{ kg} = \dots$

$7 \text{ g} = \dots$

Barcha holatlarda yirik va mayda o'lchov birliklarida qanday o'zgarish bo'ldi? Verguldan so'ng necha xona birligi bor?

**393.** O'nli kasr shaklida yozing. Hosil bo'lgan kasr sonlarni o'qing:

$5 \text{ kg } 163 \text{ g} = \dots$

$45 \text{ t } 35 \text{ kg} = \dots$

$608 \text{ mm} = \dots$

$29 \text{ km } 6 \text{ m} = \dots$

$15 \text{ m } 3 \text{ mm} = \dots$

$15 \text{ km } 325 \text{ m} =$

$725 \text{ g} = \dots$

$538 \text{ kg} = \dots$

$4 \text{ g} =$

$1 \text{ t } 379 \text{ kg} = \dots$

$7 \text{ mm} =$

$8 \text{ km } 32 \text{ m} = \dots$

$78 \text{ g} = \dots$

$279 \text{ m} = \dots$

$538 \text{ kg} = \dots$

**394.** Sonlarni o'nli kasr shaklida yozing:

$5 \text{ sm } 2 \text{ mm} = \dots$

$9 \text{ m } 3 \text{ sm} = \dots$

$9 \text{ m } 4 \text{ mm} = \dots$

$5 \text{ kg } 342 \text{ g} = \dots$

$1 \text{ t } 3 \text{ sr} = \dots$

$5 \text{ sr} = \dots$

$13 \text{ t } 8 \text{ sr} = \dots$

$6 \text{ mm} = \dots$

$5 \text{ km } 623 \text{ m} = \dots$

$5 \text{ sr } 23 \text{ kg} = \dots$

$9 \text{ kg} = \dots$

$157 \text{ kg} = \dots$

### O'NLI KASRLARNI BUTUN SONLAR BILAN IFODALANISHI

**395.** 1)

$0,1 \text{ m} = 1 \text{ dm}$

$0,1 \text{ dm} = 1 \dots$

$0,1 \text{ sm} = 1 \dots$

$0,1 \text{ m} = 1 \dots$





**Metrlning o'ndan bir ulushi – detsimetr.**

Detsimetrning o'ndan bir ulushi – ...

Santimetrning o'ndan bir ulushi – ...

Tonnaning o'ndan bir ulushi – ...

2) Namuna asosida o'nli kasrlarni butun sonlar shaklida yozing:

$$3,2 \text{ m} = 3 \text{ m } 2 \text{ dm}$$

$$0,2 \text{ sm} = 2 \text{ mm}$$

$$6,3 \text{ m} = \dots$$

$$4,8 \text{ sm} = \dots$$

$$0,9 \text{ m} = \dots$$

$$0,6 \text{ sm} = \dots$$

$$13,5 \text{ t} = 13 \text{ t } 5 \text{ sr}$$

$$20,7 \text{ t} = \dots$$

$$0,3 \text{ t} = \dots$$

396. 1)

$$0,01 \text{ m} = 1 \text{ sm}$$

$$0,01 \text{ so'm} = 1 \dots$$

$$0,01 \text{ sr} = 1 \dots$$



**Metrlning yuzadan bir ulushi – santimetr.**

So'mning yuzdan bir ulushi – ...

Sentnerning yuzdan bir ulushi – ...

2) Namuna asosida o'nli kasrlarni butun sonlar shaklida yozing:

$7,02 \text{ m} = 7 \text{ m } 2 \text{ sm}$

$6,48 \text{ m} = \dots$

$0,03 \text{ m} = \dots$

$0,27 \text{ m} = \dots$

$10,62 \text{ so'm} = 10 \text{ so'm } 62 \text{ tiyin}$

$3,26 \text{ so'm} = \dots$

$0,78 \text{ so'm} = \dots$

$15,09 \text{ so'm} = \dots$

$0,03 \text{ sr} = 3 \text{ kg}$

$42,74 \text{ sr} =$

$8,07 \text{ sr} =$

$0,68 \text{ sr} =$

397. 1)  $0,001 \text{ m} = 1 \text{ mm}$

$0,001 \text{ km} = 1 \dots$

$0,001 \text{ m} = 1 \dots$

$0,001 \text{ kg} = 1 \dots$



Metarning mingdan bir ulushi – millimetr.

Kilometrning mingdan bir ulushi – ...

Tonnaning mingdan bir ulushi – ...

Kilogrammning mingdan bir ulushi – ...

2) Namuna asosida o'nli kasrlarni butun sonlarga aylantiring:

$3,187 \text{ km} = 3 \text{ km } 187 \text{ sm}$

$4,026 \text{ km} = \dots$

$9,007 \text{ m} = \dots$

$0,195 \text{ m} = \dots$

$0,205 \text{ km} = 205 \text{ m}$

$16,017 \text{ t} = \dots$

$0,008 \text{ kg} = \dots$

$3,678 \text{ m} = \dots$

$$0,006 \text{ km} = 6 \text{ m}$$

$$7,049 \text{ kg} =$$

$$5,697 \text{ kg} =$$

$$0,072 \text{ m} =$$

398. 1) O'nli kasrlarni butun sonlar bilan almashtiring:

$$3,5 \text{ m} = ? \text{ m} \dots \text{ sm}$$

$$3,5 \text{ m} = 3,50 \text{ m} = 3 \text{ m} 50 \text{ sm}$$

2,32 m; 0,78 m; 1,4 m; 0,9 m; 0,07 m; 6,07 so'm;  
12,3 so'm; 0,8 so'm; 0,48 so'm; 100,6 so'm; 7,13 sr;  
9,05 sr; 10,9 sr; 0,07 sr; 0,8 sr.

2)  $7,3 \text{ km} = \dots \text{ km} \dots \text{ sm}$

$$7,3 \text{ km} = 7,300 \text{ km} = 7 \text{ km} 300 \text{ sm}$$

6,128 km;

12,7 km;

0,14 km;

5,06 km;

9,6 km;

9,273 kg;

0,687 kg;

3,8 kg;

12,09 kg;

0,007 kg;

3,405 m;

4,61 m;

0,209 m;

5,6 m;

0,004 m;

8,42 m;

12,137 m;

9,4 m;

0,007 t;

0,076 kg.

3) O'nli kasrlarni butun sonlar bilan almashtiring:

$$8,7 \text{ sm} = \dots \text{ sm} \dots \text{ mm}$$

16,3 sm;

0,9 sm;

8,1 sm;

205,8 sm;

3,1 m;

18,2 m;

0,7 m;

0,5 m;

3,4 dm;

0,6 dm;

12,3 dm;

0,2 dm.

**399.** Masalalar tuzing va ularni yeching. O'qli kasrlarni butun sonlarga aylantiring:

1)

	<b>Bo'yi</b>	<b>Massasi</b>
Afrika fili	0,004 km	7,5 t
Hind fili	2,7 m	4 t
Jirafa	5,8 m	7,5 sr

2)

	<b>Uzunligi</b>	<b>Massasi</b>
Oq ayiq	0,003 km	1000 kg
Qo'ng'ir ayiq	2,5 m	0,75 t
Yo'lbars	2,9 m	2,7 sr

**KATTALIK O'LCHOV BIRLIKLARI  
VA O'NLI KASRLAR USTIDA ARIFMETIK AMALLAR**

**400.** Butun sonlarni o'qli kasrlarga aylantiring va amallarni bajaring:

**Namuna:**

$\begin{array}{r} 82\text{ m } 30\text{ sm} + 78\text{ sm} \\ + \\ \hline 82,30\text{ m} \\ + \\ 0,78\text{ m} \\ \hline 83,08\text{ m} \end{array}$	$\begin{array}{r} 3\text{ t } 17\text{ kg} - 209\text{ kg} \\ - \\ \hline 3,017\text{ m} \\ - \\ 0,209\text{ m} \\ \hline 2,808\text{ m} \end{array}$
--	---

56 kg 273 g – 38 kg 89 g

30 sr 20 kg + 86 kg

15 m – 8 m 12 sm

60 kg – 38 kg 29 g

15 t 1 kg – 275 kg

40 km – 36 m

46 kg 180 g + 5 kg 98 g

12 kg 35 g + 3 kg 695 g

**401.** Bir yer uchastkasidan 80,5 t lavlagi, ikkinchi yer uchastkasidan unga qaraganda 37,08 t ko'p lavlagi, uchinchi yer uchastkasidan esa I va II yer uchastkasidan yig'ib olingan lavlagi massasiga teng lavlagi yig'ib olindi. III yer uchastkasidan necha tonna lavlagi yig'ib olindi? Javobini butun songa aylantiring.

**402.** O'nli kasrlarga aylantiring va amallarni bajaring:

13 m 2 sm + 86 m 97 sm

16 t 2 kg + 20 t 8 kg

5 m 4 sm + 18 m 97 sm

5 sr 3 kg + 27 sr 9 kg

563 g + 2 kg 17 g

6 m 72 sm + 8 m 29 sm

**403.** Neftni qayta ishlash korxonasiga I kuni 40,86 t neft, II kuni unga qaraganda 17,3 t ko'p neft, III kuni esa birinchi va ikkinchi kunlari kelib tushgan neftga qaraganda 4,007 t ko'p neft kelib tushdi. III kuni korxonaga qancha neft kelib tushgan. Masalani oldingi masala bilan solishtiring.

**404.** Kattalik o'lchov birliklari bilan kelgan sonlarni o'nlik kasrlarga almashtiring:

15 m 63 sm + 26 m 3 sm + 48 sm

53 sm – 9 mm + 28 sm 3 mm

12 t – 6 t 237 kg – 968 kg

10 km – 3 km 12 m + 987 m

15 sr + 78 kg + 9 sr 29 kg

90 t – 90 kg + 10 t 632 kg

$$600 \text{ m} - 60 \text{ sm} + 210 \text{ m} \ 93 \text{ sm}$$

$$45 \text{ m} \ 28 \text{ sm} + 93 \text{ sm} + 5 \text{ m} \ 8 \text{ sm}$$

**405.** Masalalar tuzing, taqqoslang va yeching. Sonlarni o'qli kasr shaklida yozing:

- 1) Hammasi 960 t
- I – 57 t 900 kg
  - II – 17 t 140 kg kam
  - III – 8 t 500 kg ko'p
  - IV – qolgan sabzavotlar

- 2) Hammasi 960 t
- I – 57 t 900 kg
  - II – 17 t 140 kg kam
  - III – shuncha
  - IV – qolgan sabzavotlar

- 3) Hammasi 960 t
- I – 57 t 900 kg
  - II – 17 t 140 kg kam
  - III – 8 t 500 kg ko'p
  - IV – qolgan sabzavotlar

**406.** Sonlarni o'qli kasrga aylantirib, misollarni yeching:

1)  $16 \text{ km} \ 27 \text{ m} + 58 \text{ km} \ 909 \text{ m} + 645 \text{ m}$

$$4 \text{ t} \ 900 \text{ kg} + 17 \text{ t} \ 890 \text{ kg} + 4 \text{ t} \ 13 \text{ kg}$$

$$86 \text{ sm} + 360 \text{ m} \ 9 \text{ sm} + 648 \text{ m} \ 92 \text{ sm}$$

$$13 \text{ sr} \ 96 \text{ kg} + 24 \text{ sr} + 142 \text{ sr} \ 8 \text{ kg}$$

$$117 \text{ t} \ 1 \text{ kg} - 92 \text{ kg}$$

$$40 \text{ kg} - 172 \text{ g}$$

$$50 \text{ t} - 9 \text{ sr}$$

$$75 \text{ m} \ 8 \text{ dm} - 16 \text{ m} \ 9 \text{ dm}$$

$$2) 100 \text{ m } 44 \text{ mm} + (100 \text{ m} - 6 \text{ m } 6 \text{ mm})$$

$$12 \text{ m } 4 \text{ dm} + (90 \text{ m} - 8 \text{ dm})$$

$$32 \text{ kg } 1 \text{ g} + 17 \text{ kg } 200 \text{ g} + 29 \text{ g}$$

$$162 \text{ km } 13 \text{ m} + 72 \text{ km } 9 \text{ m} + 483 \text{ m}$$

$$35 \text{ km} - (18 \text{ km} - 2 \text{ km } 360 \text{ m})$$

$$200 \text{ t} - (172 \text{ t} - 3 \text{ t } 6 \text{ kg})$$

$$3) 82 \text{ sm} + 4 \text{ m } 3 \text{ sm} + 19 \text{ m}$$

$$31 \text{ kg} + 15 \text{ sr } 7 \text{ kg} + 88 \text{ kg}$$

$$30 \text{ sm } 1 \text{ mm} + 9 \text{ mm} + 62 \text{ sm}$$

$$10 \text{ dm } 1 \text{ sm} - 7 \text{ sm} - 6 \text{ dm } 9 \text{ sm}$$

$$8 \text{ km } 13 \text{ m} - 68 \text{ m} - 146 \text{ m}$$

$$18 \text{ m } 2 \text{ sm} + 46 \text{ sm} - 9 \text{ m } 24 \text{ sm}.$$



### *MUSTAQIL ISH UCHUN TOPSHIRIQLAR*

1. Sonlarni o'nli kasr shaklida yozing:

$52 \text{ m } 14 \text{ sm} - 49 \text{ m } 83 \text{ sm}$	$80 \text{ t} - 17 \text{ t } 2 \text{ kg}$
$4 \text{ sr } 96 \text{ kg} + 18 \text{ sr } 9 \text{ kg}$	$35 \text{ t } 1 \text{ sr} - 8 \text{ sr}$
$35 \text{ tiyin} + 30 \text{ so'm} + 7 \text{ tiyin}$	
$14 \text{ km } 26 \text{ m} - 9 \text{ km } 93 \text{ m}$	
$162 \text{ sm } 4 \text{ mm} + 279 \text{ sm } 7 \text{ mm}$	
$8 \text{ m } 14 \text{ mm} + 249 \text{ m } 96 \text{ mm}$	

2. Butun sonlar shaklida yozing:

$17,82 \text{ m}$	$13,1 \text{ so'm}$	$50,26 \text{ sr}$
$6,381 \text{ km}$	$20,3 \text{ sm}$	$0,4 \text{ m}$
$50,142 \text{ t}$	$0,384 \text{ kg}$	$0,286 \text{ km}$

3. Sonlarni o'nli kasr shaklida yozing:

a) Bir to'p gazlamadan 3 m 10 sm qirqib olinib, to'pda 18 m 80 sm qoldi. To'pda necha metr gazlama bo'lgan?

b) Qish mavsumi uchun 80 kg 500 g pomidor tuzlandi. Yangi yil uchun 47 kg 800 g qoldi. Yangi yilgacha necha kilogramm pomidor ishlatildi?

### O'LCHASHDA HOSIL BO'LGAN SONLARNI KO'PAYTIRISH VA BO'LISH

407. O'nli kasrlarni 10, 100, 1000 ga ko'paytirish va bo'lish qoidalarini eslang:

1) $3,7 \cdot 10$	$9,3 \cdot 100$	$6,14 \cdot 1000$
$0,8 \cdot 10$	$93,7 : 100$	$270 : 1000$
$16,3 : 10$	$8,03 \cdot 100$	$5,6 \cdot 1000$
$9,4 : 10$	$0,9 : 100$	$21 : 1000$

2) Kattaliklarni o'lchashda hosil bo'lgan sonlarni o'nli kasr shaklida yozib, misollarni yeching:

8 m 7 sm $\cdot 10$	260 m $: 1000$
5 t 237 kg $\cdot 100$	3 m 17 mm $\cdot 100$
3 sm 2 mm $\cdot 10$	5 sr 3 kg $\cdot 10$

408. 10, 100 kishilik osh va sho'rvani tayyorlash uchun sarflanadigan mahsulotlarni hisoblang. Sonlarni o'nli kasr shaklida yozing:



- 1) Bir kishilik osh uchun: 100 g guruch, 50 g go'sht, 25 g yog', 50 g sabzi, 5 g piyoz kerak bo'ladi.
- 2) Bir kishilik borsh uchun: 100 g mol go'shti, 80 g lavlagi, 50 g karam, 10 g sabzi, 5 g piyoz, 5 g tomat, 500 g suv kerak bo'ladi.

**409.** Sonlarni o'nli kasrga aylantiring va misollarni yeching:

$25 \text{ sr } 41 \text{ kg} \cdot 9$	$546 \text{ m } 75 \text{ sm} : 9$	$3 \text{ km } 79 \text{ m} \cdot 5$
$67 \text{ m } 18 \text{ sm} \cdot 8$	$110 \text{ kg } 456 \text{ g} : 8$	$28 \text{ kg } 7 \text{ g} \cdot 6$
$3 \text{ t } 68 \text{ kg} \cdot 7$	$5458 \text{ sm } 8 \text{ mm} : 6$	$7 \text{ m } 30 \text{ sm} : 8$

**410.** O'nli kasrga aylantirib, bo'lishni bajaring:

$1) 7 \text{ km } 50 \text{ m} : 3$	$17 \text{ m } 5 \text{ sm} : 5$	$3 \text{ t } 64 \text{ kg} : 8$
$5 \text{ kg } 420 \text{ g} : 4$	$5 \text{ sr } 64 \text{ kg} : 3$	$38 \text{ km } 50 \text{ m} : 5$
$7 \text{ t } 20 \text{ kg} : 4$	$13 \text{ t } 6 \text{ sr} : 4$	$11 \text{ sm } 9 \text{ mm} : 7$

$2) 7 \text{ km } 2 \text{ m} \cdot 9$	$35 \text{ m } 9 \text{ sm} \cdot 8$	$59 \text{ sr } 7 \text{ kg} \cdot 8$
$4 \text{ t } 49 \text{ kg} \cdot 20$	$5 \text{ m } 126 \text{ mm} \cdot 9$	$50 \text{ cm } 6 \text{ mm} \cdot 100$

**411.** Tegirmonga 4 ta yuk mashinada 12 t don keltirildi. Shunday mashinaning 15 tasida necha tonna don olib kelish mumkin, 60 tonna donni tashish uchun shunday yuk mashinadan nechta kerak?

**412.** Masala tuzing va uni yeching:

- I – 16 ta reys 2,86 t dan } ? t
- II – 25 ta reys 4,562 t dan

**413.** O'nli kasrga aylantiring va misollarni yeching:

- |                     |                   |
|---------------------|-------------------|
| 1) 44 km 220 m : 44 | 13 sm 8 mm · 23   |
| 31 m 70 kg : 65     | 208 kg 640 g : 64 |
| 25 m 6 sm · 34      | 91 kg 5 g : 15    |
| 8 sr 4 kg : 92      | 13 m 328 mm : 28  |
| 19 dm 1 sm · 39     | 1494 t 6 sr : 94  |
| 2) 8 km 29 m · 12   | 39 kg 600 g : 80  |
| 137 km 844 m : 14   | 16 m 14 sm · 28   |
| 9 m 300 mm : 60     | 1224 dm 6 sm : 78 |
| 9 sr 96 kg · 36     | 88 sm 4 mm · 26   |
| 342 m 152 kg : 19   | 1 t 7 kg · 76     |

**414.** Omborga 120 kg apelsin, mandarin va banan keltirildi. Uning 30 kg banan, 30 kg apelsin, mandarin esa har biri 10 kg dan yashiklarda sotish uchun jo'natildi. Necha yashik mandarin sotish uchun jo'natildi?

**415.** O'nli kasrga aylantirib misollarni yeching:

- 1) 9 kg 408 g : 48 + 5 kg 49 g : 99  
7 m 21 mm : 17 - 4 m 2 mm : 23  
8 sr 88 kg : 24 - 28 sr 80 kg : 96  
75 sm 600 m : 70 - 17 km 864 m : 58
- 2) 548 m 29 sm + 14 m 2 sm + 37 m 5 sm  
86 m 9 sm + 178 m 87 sm + 305 m 9 sm  
17 m 28 sm · 37 - 147 m 20 sm : 92  
(72 km 878 m : 26 - 35 km 720 m : 38) - 1 km 248 m

## SONDAN O'NLI KASRNI TOPISH

60 kg, 80 sm, 200 kg ning  $\frac{1}{10}$  qismini toping.

60 kg, 80 sm, 200 kg ning  $\frac{3}{10}$  qismini toping.

500, 8 t, 6 m ning  $\frac{1}{100}$  qismini toping.

5000, 8 t, 6 m ning  $\frac{5}{100}$  qismini toping.

8 km, 3 m, 4000 mm ning  $\frac{1}{1000}$  qismini toping.

8 km, 3 m, 4000 mm ning  $\frac{8}{1000}$  qismini toping.

Sonning ixtiyoriy miqdordagi o'nlik, yuzlik, minglik ulushlari qanday topiladi?

416. 1) Oddiy kasrlarni o'nli kasr shaklida yozishni eslang:

$$\frac{1}{10} = 0,1;$$

$$\frac{3}{10} = 0,3;$$

$$\frac{1}{100} = \dots;$$

$$\frac{5}{100} = \dots;$$

$$\frac{1}{1000} = \dots;$$

$$\frac{8}{1000} = \dots$$

2) 43 sonining 0,1 qismini qanday topish mumkin?

43 sonining 0,3 qismini-chi?

$$43 : 10 = 4,3$$

$$43 : 10 \cdot 3 = 4,3 \cdot 3 = 12,9$$

$$\begin{array}{r} 4,3 \\ \times 3 \\ \hline 12,9 \end{array}$$

3) 400 m, 80 so'm, 5 sm ning 0,1 qismini;

400 m, 80 so'm, 5 sm ning 0,3 qismini.



### Sonning bir nechta o'nliklarini topish uchun:

- 1) Sonning o'ndan bir qismini topish (sonning o'ng tomonidan birinchi raqamini vergul bilan ajratish);
- 2) Hosil bo'lgan sonni topish kerak bo'lgan o'nlik soniga ko'paytirish lozim.

**417.** Toshkentdan Chirchiq shahrigacha 60 km. Avtobus yo'lining 0,6 qismini bosib o'tdi. Avtobus qancha yo'l bosib o'tdi, u yana qancha yo'l yurishi kerak?

**418.** 43 sonining 0,01 qismini qanday topish mumkin?

$$43:100 = 0,43$$

43 sonining 0,07 qismini qanday topish mumkin?

$$43:100 \cdot 7 = 3,01$$

$$\begin{array}{r} 0,43 \\ \times \quad 7 \\ \hline 3,01 \end{array}$$



### Sonning bir nechta yuzliklarini topish uchun:

- 1) Sonning yuzdan bir qismini topish (sonning o'ng tomonidan ikkita raqamini vergul bilan ajratish);
- 2) Hosil bo'lgan sonni topish kerak bo'lgan yuzlik soniga ko'paytirish lozim.

**419.** 1) 5600; 742 kg; 300 g ning 0,01 qismini toping.

2) 5600; 742 kg; 300 g ning 0,05 qismini toping.

3) 342 ning 0,09; 1436 ning 0,02; 72 ning 0,08 qismini toping.

- 420.** 1) Sonning mingdan bir qismini qanday topish mumkin?  
263; 5 427; 800 ning 0,001 qismini toping.
- 2) Sonning bir nechta mingliklarini qanday topish mumkin?  
304; 4 007; 98 ning 0,005 qismini toping.
- 421.** Bo'sh kataklar o'rniga tegishli sonlar yozing va o'nli kasrlarini toping:
- a) , ,  ning 0,001;
- b) , ,  ning 0,008;
- d) , ,  ning 0,4;
- e) , ,  ning 0,12.
- 422.** To'qimachilik korxonasida 12 840 m gazlama to'qildi. Gazlamaning 0,005 qismi yaroqsiz bo'lib chiqdi. Necha metr gazlama yaroqli va qanchasi yaroqsiz deb topildi?
- 423.** Hisoblang:
- |                 |                |                 |
|-----------------|----------------|-----------------|
| 146 ning 0,2;   | 158 ning 0,03; | 427 ning 0,009; |
| 31 kg ning 0,7; | 746 ning 0,04; | 2 t ning 0,008. |
- 424.** Maktabda 420 o'quvchidan 0,3 qismi boshlang'ich sinf o'quvchilari, 0,6 qismi V–VIII sinf o'quvchilari va qolgan qismi IX sinf o'quvchilaridir. Maktabda bitiruvchi sinf o'quvchilari nechta?
- 425.** Quyidagi sonlarning ulushlarini toping:
- 1) 54 kg, 17 m 2 dm ning 0,7 ulushini;
- 2) 1723, 1 156, 3 004 ning 0,25 ulushini;
- 3) 12 500, 3 700, 9 km ning 0,034 ulushini toping.

426. Masala tuzing va uni yeching:

Bor edi: I – 26,9 m dan 17 to'p }  
II – 31 m dan 24 to'p } 0,05 qismi ishlatildi.  
Qancha qoldi – ? m

427. Masala tuzing va uni yeching:

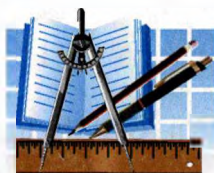
I – 57 t 900 kg ←  
II – 17 t 140 kg kam —  
III – 8 t 500 kg ko'p —  
IV – qolgan sabzavotlar

I – 275 sr  
II – 325 sr ←  
III – 50 sr ko'p — } 0,2 qismi yem  
uchun ishlatildi  
Qancha – ?



### MUSTAQIL ISH UCHUN TOPSHIRIQLAR

- 16 kg ning 0,5 qismini, 180 m ning 0,02 qismini toping.
- O'nli kasrlarga aylantirib, misollarni yeching:  
 $115 \text{ m } 8 \text{ sm} \cdot 9$                        $120 \text{ sm } 6 \text{ mm} : 9$   
 $4 \text{ kg } 49 \text{ g} \cdot 40$                        $7 \text{ sr } 50 \text{ kg} : 50$   
 $7 \text{ km } 2 \text{ m} \cdot 19$                        $8 \text{ m } 88 \text{ sm} : 24$
- Bir bog'lam qog'oz 500 varaqdan iborat. Uning 0,1 qismi ishlatildi. Necha bet qog'oz ishlatildi? Bog'lamdagi qog'ozdan necha beti qoldi?



## TAKRORLASH

**428.** Sonlarni o'qing va xona birliklariga ajrating:

586, 95, 4, 1206, 15675, 426801, 2672596.

**429.** Sonlarni cho'tga soling:

5, 68, 746, 2684, 59783, 846986, 100000,  
127900, 2864250, 256456, 20000.

**430.** Sonlarni xona qo'shiluvchilari yig'indisi ko'rinishida yozing:

256, 86, 9, 5967, 16854, 246475, 386,  
2789, 29081, 364797.

**431.** Sonlarni xona qo'shiluvchilari yig'indisi ko'rinishida yozing:

24	2864	64845	54963	286743
86	643	2841	16975	128968
33	286	1999	99999	999999
45	347	9999	100101	21002

**432.** Sonlarni taqqoslang:

2906...2706	35576...35578
6314...123458	45963...54784
1268...346	28712...39645
3847...260	56483...38743

- 433.** Bo'sh xonalarga mos qo'shiluvchini qo'yib, yig'indini toping:  
 $400\,000 + 80\,000 + 1\,000 + 400 + 50 + 7 =$   
 $800\,000 + 60\,000 + \dots + 300 + 20 + 2 =$   
 $700\,000 + \dots + 4\,000 + 200 + \dots + 2 =$   
 $300\,000 + 20\,000 + 1\,000 + \dots + 10 + \dots =$
- 434.** 2685 dan 2699 gacha, 1916 dan 1955 gacha, 56458 dan 56495 gacha, 189451 dan 189481 gacha bo'lgan natural sonlar qatorini yozing.
- 435.** Sonlarni o'sib borish tartibida yozing:  
 2965, 19684, 39456, 45695, 92961, 5649,  
 246545, 134398, 236564, 654283.
- 436.** Sonlarni kamayib borish tartibida yozing:  
 326, 4296, 96584, 296845, 926684, 96568,  
 888888, 999, 999999.
- 437.** Bir xil raqamlar bilan yoziladigan yetti xonali sonlarni yozing va o'qing.
- 438.** 3, 6, 0, 4 raqamlari bilan o'nta besh xonali son yozing.
- 439.** 2, 1, 5, 7 raqamlari bilan o'nta besh xonali son yozing.
- 440.** 300 dan 3000 gacha, 600 dan 1800 gacha, 3000 dan 6000 gacha, 6000 dan 9000 gacha 300 talab to'g'ri va teskari sanang.
- 441.** Quyidagi sonlarni xona qo'shiluvchilari yig'indisi ko'rinishida yozing:  
 605, 3964, 54658, 268475, 840330, 830001,  
 294678, 5348374, 6000961, 7968374.



- 442.** Shunday sonlarni yozingki, unda:  
 3 ta o'n ming, 4 ta ming; 5 ta yuz, 2 ta bir bo'lsin.  
 2 ta yuz ming, 3 ta ming, 7 ta o'n, 1 ta bir bo'lsin.  
 6 ta yuz ming, 5 ta o'n bo'lsin.
- 443.** Quyidagi sonlarni raqamlar bilan yozing:
- |          |          |     |          |    |
|----------|----------|-----|----------|----|
| 14 ming  | 556 ming | 134 | 675 ming | 35 |
| 5 ming   | 284 ming |     | 850 ming | 01 |
| 286 ming | 605 ming | 304 | 970 ming | 25 |
| 358 ming | 795 ming | 506 | 604 ming | 36 |
- 444.** 1000000 soni 1 dan, 10 dan, 100, 1000, 10000, 100000 dan necha marta katta?  
 10, 100, 1000, 10000, 100000, 1000000 soni 1 dan qancha ortiq?
- 445.** Quyidagi sonlarning har birida hammasi bo'lib nechta o'n, nechta yuz, nechta ming bor:  
 490, 8709, 154, 700, 89002, 290700, 800015,  
 700080, 450009, 5408000, 2000715, 7010037?
- 446.** Quyidagi sanalarni rim raqamlari bilan yozing:
- 1-sentabr – O'zbekiston Respublikasi mustaqilligi kuni
  - 1-oktabr – O'qituvchilar va murabbiylar kuni
  - 8-dekabr – O'zbekiston Respublikasi Konstitutsiyasi qabul qilingan kun
  - 1-yanvar – Yangi yil bayrami
  - 8-mart – Xotin-qizlar kuni bayrami
  - 21-mart – Navro'z bayrami
  - 9-may – Xotira va qadrlash kuni

**447. Hisoblang:**

$5409 + 1204$

$105:35 + 3216$

$4542 - 3681$

$250:25 - 80:20$

$5986 + 3948$

$48675 + 8109:9$

$6548 - 3457$

$5100:17 - 65$

**448. Yig'indini toping:**

$284 + 3968$

$150 + 3446 + 52804$

$1896 + 3065$

$504 + 2385 + 64746$

**449.** Korxonada 8550 ta «Damas» avtomashinasi tayyorlandi. Xorij mamlakatlariga 6590 ta avtomashina yuborildi. Nechta avtomashina qoldi?

**450. Yig'indini toping:**

$2684 + 13896$

$12840 + 152801$

$150062 + 1104$

$598 + 26846$

$20045 + 120074$

$128405 + 25008$

$2356 + 18960$

$56454 + 94050$

$10580 + 5468$

$1298 + 15694$

$27845 + 19608$

$19296 + 154964$

**451. Amallarni bajaring:**

$1986 - 1372$

$13684 - 7096$

$16845 - 11984$

$2864 - 1940$

$96724 - 34853$

$19768 - 9404$

**452.** Toshkent va Buxoro shaharlari orasidagi masofa 606 km. Toshkentdan jo'nagan poyezd 293 km yo'l bosdi. Poyezd yana necha kilometr yurishi kerak?

**453.** Issiqxonada bir mavsumda 15680 kg bodring, undan 596 kg ko'p pomidor, pomidordan 300 kg kam karam

yetishtirildi. Issiqxonada bir mavsumda hammasi bo'lib qancha sabzavot yetishtirilgan?

**454.** Santimetrlarda ifodalang:

153 m 05 sm                      196 m 02 sm

29 m 95 sm                      101 m 10 sm

163 m 50 sm                      95 m 06 sm

**455.** Hisoblang:

1) 450 so'm 65 tiyin + 200 so'm 45 tiyin

235 so'm 10 tiyin + 15 so'm 25 tiyin

5645 so'm 35 tiyin + 205 so'm 25 tiyin

368 so'm 72 tiyin + 2348 so'm 13 tiyin

2) 54 so'm 75 tiyin – 19 so'm 30 tiyin

286 so'm 42 tiyin – 173 so'm 25 tiyin

1894 so'm 78 tiyin – 168 so'm 34 tiyin

59762 so'm 12 tiyin – 9644 so'm 06 tiyin

**456.** Amallarni bajaring:

974 018 – 98 501                      76 580 + 45 490

12 572 – 10 236                      852 431 + 264 870

75 283 – 24 671                      100 000 – 9 999

10 000 – 999                      1 000 000 – 99 999

**457.** 25 680 + (32 486 – 18 504)

130 840 + (44 590 – 21 604)

(48 996 + 56 484) – 39 805

(192 741 + 13 604) – 12 768

**458.** Amudaryoning uzunligi 1437 km. Sirdaryoning uzunligi undan 700 km uzun. Sirdaryoning uzunligi qancha?

**459.** Uchta to'qqizinchi sinf o'quvchilari g'isht quyish bo'yicha musobaqalashdilar.  $9^A$ - sinf o'quvchilari bir kunda 10850 dona,  $9^B$ - sinf o'quvchilari 370 ta kam,  $9^D$ - sinf o'quvchilari esa  $9^A$ - va  $9^B$ - sinf o'quvchilari quygan g'ishtdan 105 ta ko'p g'isht quydilar.  $9^D$ - sinf o'quvchilari bir kunda qancha g'isht quyganlar?

**460.** Orttiring:

52849 ni 3415 ta;	2648 ni 246481 ta
76496 ni 24678 ta;	13674 ni 999099 ta
672 ni 100068 ta;	126006 ni 5739 ta

**461.** Kamaytiring:

400000 ni 87100 ta;	39306 ni 27502 ta
54100 ni 3460 ta;	604010 ni 451603 ta
728403 ni 150722 ta;	520003 ni 298045 ta

**462.** Qancha ortiq:

250484 soni 13544 dan;	205016 soni 206001 dan
300498 soni 38965 dan;	545620 soni 625280 dan
510205 soni 196705 dan;	26426 soni 37540 dan
685296 soni 43273 dan;	455505 soni 566606 dan

**463.** Hisoblang:

$(700003 - 39867) + (53100 - 9748)$   
 $(820015 - 746809) - (110011 - 96925)$   
 $(13905 + 24796) - (120036 + 9794)$   
 $(78968 + 1109) - (189709 - 95846)$

**464.** Tumandagi maktablarning biriga 15690 dona darslik ajratildi. Tumandagi hamma maktablarga berilgan darsliklar bundan 30 marta ko'p. Tumanning hamma maktablariga necha dona darslik berilgan?

**465.** Ko'paytmani toping:

500 · 5	1 500 · 3	25 000 · 1
180 · 6	2 800 · 2	14 000 · 8
940 · 8	9 600 · 4	29 000 · 9
670 · 7	7 300 · 9	64 000 · 7

**466.** Bo'linmani toping:

440 : 4	3 600 : 9	36 000 : 4
280 : 4	2 800 : 4	92 000 : 2
560 : 7	6 300 : 7	72 000 : 8
650 : 5	7 800 : 8	27 000 : 2

**467.** 500 ni 10 marta orttiring;  
8000 ni 10 marta orttiring;  
1000 ni 100 marta orttiring;  
1000 ni 1000 marta orttiring;  
5250 ni 100 marta orttiring;  
96700 ni 10 marta orttiring.

**468.** 8000 ni 10 marta kamaytiring;  
900 ni 100 marta kamaytiring;  
300 ni 60 marta kamaytiring;  
3500 ni 70 marta kamaytiring;  
50000 ni 500 marta kamaytiring;  
90000 ni 200 marta kamaytiring.

**469.** Hisoblang:

$26\,000 \cdot 10$	$83\,700 : 100$
$9\,200 \cdot 100$	$1\,560 : 100$
$83 \cdot 1\,000$	$100\,000 : 1\,000$
$108 \cdot 1\,000$	$48\,400 : 100$

**470.** Haydov traktori bir kunda 105 l yonilg'i sarflaydi. Shu traktor 10 kunda, 15 kunda, 20 kunda, 30 kunda qancha yonilg'i sarflaydi?

**471.** Issiqxonadan bir kunda 800 kg pomidor, undan 250 kg ortiq bodring, pomidor va bodring birgalikda qancha bo'lsa, undan 370 kg ortiq karam terib olindi. Issiqxonadan bir kunda necha kilogramm sabzavot terib olindi?

**472.** Amallarni bajaring:

$500\,000 - 650 \cdot 200$	$48\,000 : 300 - 1\,800$
$790 \cdot 500 + 25\,600$	$75\,000 : 500 - 5\,000$
$81\,000 : 300 - 1\,600$	$94\,000 : 200 - 2\,000$
$64\,000 : 800 + 2\,000$	$72\,000 : 900 + 4\,000$

**473.** Hisoblang:

$$(2\,980 + 15\,609 + 569\,542) - (12\,600 - 8\,400)$$
$$(13\,600 + 5\,900 + 16 + 730\,000) - (5\,900 + 3\,600)$$
$$(900\,007 - 804\,388) + (136\,154 - 125\,378)$$
$$(276\,000 - 134\,000) - (23\,480 - 21\,480)$$

**474.** Masala tuzing va uni yeching:

3900 ta daraxt  
1820 ta daraxt kam  
570 ta daraxt ko'p

**475.** Taqqoslang:

$$47\,896 - 35\,284 \dots 25\,486 - 62\,841$$

$$104\,186 - 45\,675 \dots 108\,793 - 8\,986$$

$$15\,678 + 28\,459 \dots 136\,758 + 18\,345$$

$$284\,095 + 7\,005 \dots 364\,085 + 125\,072$$

**476.** Qishloqdan shaharga har biri 55 kg dan 70 qop kartoshka, har biri 46 kg dan 38 qop sabzi va har bir yashikda 27 kg dan 95 yashik olma jo'natildi. Shaharga hammasi bo'lib necha kilogramm meva va sabzavot jo'natilgan?

**477.** Ko'paytirishni bajaring:

$$18\,972 \cdot 15$$

$$7\,384 \cdot 28$$

$$1\,684 \cdot 13$$

$$15 \cdot 8\,460$$

$$105 \cdot 96$$

$$2\,800 \cdot 72$$

$$29\,984 \cdot 36$$

$$18\,734 \cdot 54$$

$$35\,486 \cdot 56$$

$$206 \cdot 84$$

$$73 \cdot 2\,896$$

$$21\,948 \cdot 17$$

**478.** Amallarni bajaring:

$$8\,000 : 20 + 190$$

$$49\,000 : 70 \cdot 32$$

$$10\,000 : 50 + 270$$

$$81\,000 : 90 \cdot 90$$

$$600 : 30 - 100$$

$$36\,000 : 40 \cdot 50$$

$$9\,000 : 20 - 250$$

$$27\,000 : 30 \cdot 40$$

**479.** 2 150 va 5 091 sonlar yig'indisini 65 marta orttiring; 3 840 va 4 726 sonlar yig'indisini 72 marta orttiring; 15 970 va 205 sonlar yig'indisini 35 marta orttiring; 46 890 va 7 508 sonlar yig'indisini 23 marta orttiring.

<b>480.</b> $(4\ 800 + 390\ 000) \cdot 8$	$(13\ 600 + 45\ 400) \cdot 3$
$(48\ 000 + 600) : 30$	$(10\ 000 - 2\ 000) : 20$
$(2\ 840 - 320) \cdot 5$	$(1\ 460 + 2\ 800) \cdot 7$
$(15\ 780 - 2\ 960) \cdot 5$	$(25\ 490 - 5\ 430) \cdot 8$

**481.** Bir kilogramm anor 600 so'm tursa, 6000 so'mga necha kilogramm anor sotib olish mumkin? 800 so'm tursa-chi? 300 so'm tursa-chi?

**482.** Hisoblang:

$168\ 504 : 56$	$77\ 088 : 96$
$62\ 478 : 89$	$245\ 315 : 35$
$65\ 160 : 72$	$376\ 282 : 47$
$33\ 522 : 37$	$348\ 609 : 87$

**483.** Misollarni yeching va ularni ko'paytirish bilan tekshiring:

$62\ 160 : 84$	$344\ 280 : 36$
$41\ 472 : 32$	$52\ 224 : 24$
$3\ 417 : 15$	$92\ 340 : 95$
$7\ 573 : 24$	$399\ 600 : 74$

**484.** Bir daladan 5280 kg, ikkinchisidan 4585 kg pomidor terib olindi. Agar har bir yashikka 16 kg dan pomidor ketsa, terilgan pomidorni shaharga jo'natish uchun nechta yashik kerak bo'ladi?

**485.** Masala tuzing va uni yeching:

«Neksiya» mashinasi 9850 ta  
«Damas» mashinasi 3 marta kam  
«Tiko» mashinasi 2 marta kam  
«Matiz» mashinasi 15 marta kam



<b>486.</b> (901 000 – 804 176) : 49	160 786 : 34 · 24
(246 990 – 197 094) : 88	65 184 : 96 · 73
56 · (501 008 – 439 607)	166 261 : 53 · 39
42 · (702 100 – 692 975)	440 671 : 77 · 64

**487.** Ikki tup anordan 585 dona anor terildi. Agar birinchi tupdan ikkinchisiga qaraganda 12 marta ko'p anor terilgan bo'lsa, har qaysi tupdan nechtadan anor terilgan?

**488.** Birinchi maydonga bug'doy, ikkinchi maydonga esa arpa ekildi. Bug'doydan 15 980 kg, arpadan esa bug'doyga nisbatan 3 marta ko'p hosil olindi. Necha kilogramm arpa olingan?

**489.** Amallarni bajaring:

$$(509 + 6\,086) \cdot 75$$

$$(2\,905 - 1\,304) \cdot 96$$

$$128\,908 + 1\,245 \cdot 45 - 16\,075$$

$$1\,000\,000 - 7\,508 \cdot 23 - 16\,940$$

$$(26\,709 + 8\,571) : 49$$

$$20\,000 + 55\,568 : 23 - 19\,508$$

$$(203\,024 - 105\,849) : 25$$

$$100\,000 - 73\,545 : 15 - 28\,198$$

**490.** Ko'paytmani toping:

408 · 35 · 6	285 · 25 · 4	392 · 20 · 9
542 · 48 · 8	126 · 35 · 9	806 · 26 · 8
975 · 75 · 7	495 · 58 · 7	307 · 34 · 3

**491.** Bo'linmani toping:

$$6\ 384 : 38 : 6$$

$$39\ 933 : 87 : 3$$

$$127\ 620 : 18 : 10$$

$$135\ 108 : 27 : 4$$

$$80\ 325 : 85 : 5$$

$$63\ 525 : 75 : 7$$

**492.** Amallarni tartibi bilan bajaring:

$$248 \cdot 75 - 16\ 416 : 36$$

$$30\ 000 - 28\ 420 : 58$$

$$5\ 022 : 18 + 784 \cdot 68$$

$$14\ 440 : 19 + 30\ 240$$

$$48\ 380 : 82 \cdot 76$$

$$194\ 016 : 47 \cdot 96$$

$$15\ 753 : 59 \cdot 57$$

$$18\ 144 : 36 \cdot 78$$

**493.** Maktab-internat tajriba yer uchastkasiga 9- va 7-sinf o'quvchilari ko'chat o'tqazishdi. 7-sinf o'quvchilari bir kunda 3584 dona, 9-sinf o'quvchilari esa ulardan 3 marta ortiq ko'chat o'tqazishdi. Bir kunda hammasi bo'lib necha dona ko'chat o'tqazilgan?

**494.** O'quvchilarga otaliq tashkilotlardan 72680 so'mlik yangi yil sovg'alari keltirildi. Bu homiy korxonaga tayyorlagan sovg'adan 2 marta ko'p. O'quvchilarga hammasi bo'lib necha so'mlik sovg'a tayyorlangan?

**495.**  $9\ 748 \cdot 47 - 98\ 712 : 36$

$$7\ 096 \cdot 76 - 9\ 746$$

$$70\ 104 : 23 + 809\ 746$$

$$4\ 080 \cdot 53 - 176\ 640 : 96$$

$$100\ 800 - 211\ 824 : 72$$

$$686\ 052 : 76 - 8\ 745 \cdot 26$$

$$29\ 107 \cdot 25 - 14\ 097$$

$$106\ 542 : 27 + 1\ 079 \cdot 38$$

**496.** Hisoblang:

$$95\,076 : 19 + 161\,138 : 23 - 11\,999$$

$$52\,091 : 13 - 51153 : 17 + 1\,002$$

$$105\,600 : 15 \cdot 25 - 99\,099$$

$$43\,260 : 14 + 4\,008 \cdot 16 - 64\,909$$

**497.** O'nli kasrlar shaklida yozing:

$\frac{3}{10};$	$12\frac{6}{10};$	$3\frac{15}{100};$	$5\frac{7}{10};$	$1\frac{27}{100};$	$17\frac{55}{100};$
$90\frac{115}{1000};$	$4\frac{9}{10};$	$15\frac{50}{100};$	$18\frac{15}{100};$	$8\frac{3}{100};$	$15\frac{168}{1000}$

**498.** O'nli kasrlarni 10 ga, 100 ga qisqartiring:

0,080	0,800	4,020	45,0500
-------	-------	-------	---------

0,220	0,80	7,500	10,080
-------	------	-------	--------

0,10	0,010	0,001	0,0001
------	-------	-------	--------

30,080	24,100	15,700	80,900
--------	--------	--------	--------

**499.** Kasrlarni taqqoslang:

0,5 ... 0,4	0,07 ... 0,45
-------------	---------------

6,15 ... 7,108	2,006 ... 1,007
----------------	-----------------

5,102 ... 13,183	1,678 ... 0,008
------------------	-----------------

184,563 ... 50,008	0,678 ... 16,035
--------------------	------------------

**500.** Kasrlarni taqqoslang:

5,3 ... 5,003	6,8 ... 6,08
---------------	--------------

6,56 ... 6,71	20,815 ... 20,41
---------------	------------------

13,2 ... 13,005	20,03 ... 0,099
-----------------	-----------------

56,41 ... 56,41	0,009 ... 0,09
-----------------	----------------

**501.** Misollarni amallarning bajarilish tartibi bo'yicha yeching:

$$207 \cdot 24 - 2873 : 17 + 805$$

$$108 \cdot 25 + 5440 : 16 - 1841$$

$$796 + 8316 : (4002 - 3975)$$

$$200 - 2328 : (2001 - 1989)$$

**502.** Taqqoslang:

$$8,8 \dots 8,800$$

$$15,01 \dots 15,001$$

$$3,50 \dots 3,5$$

$$9,87 \dots 9,900$$

$$17,005 \dots 17,5$$

$$4,018 \dots 4,015$$

$$14,108 \dots 43,1$$

$$3,701 \dots 0,978$$

$$3,75 \dots 3,09$$

**503.** Qizchanning ko'ylagi uchun 2,50 m, onasining ko'ylagi uchun undan 1,20 m ortiq gazlama ketdi. Onaning ko'ylagiga qancha gazlama ketgan?

**504.** Yengil mashina 2,35 soat yo'lda bo'ldi. Yuk mashinasi o'sha yo'lni 13,9 soatda o'tdi. Yuk mashinasi yengil mashinaga qaraganda necha soat ortiq yo'lda bo'lgan?

**505.** Shirkat xo'jaligi 115,6 ga yerga kartoshka ekishi kerak edi. Hozirgacha 85,7 ga yerga ekildi. Yana necha gektar yerga kartoshka ekilishi kerak?

**506.** Yig'indini toping:

$$0,5 + 3,86$$

$$80,215 + 0,18$$

$$5,29 + 0,9$$

$$2,8 + 6,05$$

$$25,386 + 6,371$$

$$29,215 + 15,102$$

$$12,9 + 7,72$$

$$0,03 + 2,1$$

$$1,68 + 8,73$$

$$3,410 + 0,19$$

$$5,008 + 9,85$$

$$2,79 + 0,280$$

**507.** Ayirmaning toping:

$25,78 - 16,9$	$18,85 - 9,30$	$15,64 - 0,62$
$8,7 - 0,9$	$25,386 - 6,371$	$29,215 - 15,102$
$10,9 - 2,01$	$32,846 - 13,71$	$14,387 - 7,01$
$8,9 - 0,9$	$12,8 - 4,60$	$27,35 - 18,0$

**508.** Hisoblang:

$45,68 + 30,45$	$19,365 - 5,165$	$41,32 - 32,12$
$18,745 + 0,96$	$37,232 - 18,132$	$27,38 - 19,23$
$75,012 + 13,91$	$54,954 - 27,756$	$0,835 + 24,658$
$145,6 + 40,8$	$83,435 - 15,213$	$12,985 + 0,76$

**509.** Quyidagi sonlarning har birini avval 10 marta kamaytiring, so'ngra esa 10 marta orttiring:

7,5; 0,7; 19,8; 85,03; 0,18; 9,26; 153,7.

**510.** Quyidagi sonlarni har birini 100 ga bo'ling:

9,8; 0,7; 195,8; 45,16; 80,1; 25,08; 54,18.

**511.** Quyidagi sonlarning har birini 1000 ga bo'ling:

900; 4500; 800; 505,87; 9,5915; 42.

**512.** Ko'paytmani toping:

$8,5 \cdot 10$	$3,7 \cdot 100$	$4,3 \cdot 1000$
$9,82 \cdot 10$	$15,72 \cdot 100$	$8,96 \cdot 1000$
$15,02 \cdot 10$	$18,912 \cdot 100$	$25,312 \cdot 1000$

**513.** Bo'linmani toping:

$5 : 100$	$579,8 : 10$	$17,5 : 10$
$8 : 100$	$79,26 : 10$	$17,5 : 100$

$$3,8 : 10 \qquad 80,6 : 100 \qquad 17,5 : 1\,000$$

$$9,65 : 10 \qquad 286,3 : 100 \qquad 0,3 : 1\,000$$

**514.** Hisoblang:

$$0,64 \cdot 42 \qquad 40,3 : 5 \qquad 185,05 : 45$$

$$35,08 \cdot 32 \qquad 76,54 : 4 \qquad 84,06 \cdot 36$$

$$14,07 \cdot 46 \qquad 140,4 : 9 \qquad 136,8 : 12$$

$$0,175 \cdot 18 \qquad 145,95 : 7 \qquad 14,18 : 23$$

**515.** Bir xil quvvatli ikki traktor 247,05 ga yerni haydadi. Birinchi traktor 15 kun, ikkinchisi 12 kun ishladi. Har bir traktor necha gektar yer haydagan?

$$\mathbf{516.} \quad (136,782 - 97,99) : 8 \qquad (73,8 + 14,27) : 100$$

$$(301,4 - 256,78) \cdot 19 \qquad (200,5 - 34,79) \cdot 4$$

$$(94,47 + 29,058) : 6 \qquad (0,08 + 135,705) \cdot 5$$

$$(17,5 - 9,126) \cdot 28 \qquad (15,003 - 9,46) \cdot 38$$

**517.** Amallarni bajaring:

$$3,671 \cdot 25 - 0,19 \cdot 18 \qquad 0,136 \cdot 15 + 7,14 \cdot 12$$

$$46,73 \cdot 32 + 7,24 \cdot 8 \qquad 3,75 \cdot 23 - 2,204 \cdot 9$$

$$19,129 \cdot 9 - 5,3 \cdot 15 \qquad 6,025 \cdot 19 + 0,029 \cdot 24$$

$$9,576 \cdot 24 + 2,56 \cdot 80 \qquad 13,7 \cdot 36 - 5,7 \cdot 9$$

$$\mathbf{518.} \quad 0,86 \cdot 28 \qquad 15,44 : 16 \qquad 18,4 : 100 \cdot 1\,000$$

$$0,736 \cdot 45 \qquad 12,69 : 3 \qquad 27,030 : 100 : 1\,000$$

$$0,9 \cdot 84 \qquad 266,22 : 36 \qquad 237,1 \cdot 100 : 1\,000$$

$$0,075 \cdot 26 \qquad 334,4 : 41 \qquad 324,22 \cdot 100 \cdot 1\,000$$

<b>519.</b> $7096:100 \cdot 45$	$3668:35 \cdot 100$
$80,5:10 \cdot 75$	$973,4:4 \cdot 1000$
$0,8:100 \cdot 175$	$10319,7:5 \cdot 100$
$148:10 \cdot 206$	$108090:18 \cdot 10$

**520.** Ikki sonning ko'paytmasi 8 285,52 ga, ko'paytuvchi 13 ga teng. Ko'payuvchini toping.

**521.** Ikki sonning ayirmasi 4 386,95 ga, ayiriluvchi 1 975,26 ga teng. Kamayuvchini toping.

**522.** Amallarni bajaring:

$$195 \cdot 63 - 1205$$

$$(30200 - 24500) \cdot 12 + 15405$$

$$(73800 - 29810) - 99 \cdot 0 + 1$$

$$10200 - 1585 + 135 \cdot 23$$

$$148 \cdot 46 + 256 \cdot 13 - 138 \cdot 24$$

$$(157010 - 3910) - 99 \cdot 1 + 1$$

**523.** 15 ta yashikka 364,5 kg olma, 12 ta yashikka esa 285,6 kg nok bir xil miqdorda joylandi. Olma joylashtirilgan bir dona yashikning og'irligi nok joylashtirilgan yashikdan necha kilogramm ortiq?

**524.** Amallarni bajaring:

$973,4:2 \cdot 100$	$709,6:100 \cdot 45$
$3668:35 \cdot 10$	$80,5:10 \cdot 75$
$10319,7:2 \cdot 10$	$0,9:100 \cdot 18$
$108090:1 \cdot 10$	$148:10 \cdot 36$

**525.** Hisoblang:

$$\begin{array}{ll} 15,3 \cdot 27 + 8,003 \cdot 16 & 36,15 : 5 + 55,32 : 6 \\ 4,575 \cdot 9 - 0,038 \cdot 24 & 19,72 : 2 - 22,54 : 7 \\ 50,32 \cdot 27 - 10,003 \cdot 15 & 37,74 : 3 - 21,32 : 4 \\ (100,1 - 92,037) \cdot 26 & 35,76 : 4 + 96,15 : 5 \end{array}$$

**526.** Shaxtyor 12 soatda 1,92 t ko'mir qaziydi. Bitta ko'mir qazish kombayni 240 shaxtyorning ishini bajaradi. Ko'mir qazish kombayni 1 soatda qancha, 5 soatda, 8 soatda qancha ko'mir qazishini hisoblang.

**527.** Maktab sport zalining bo'yi 28,5 m, eni 12 m. Agar maktabda 1400 nafar o'quvchi bo'lsa, har bir o'quvchiga necha kvadrat metr joy to'g'ri keladi?

**528.** Amallarni bajaring:

$$\begin{array}{l} 90 - 3645 : 45 + 0,406 \cdot 49 \\ 1760,4 : 36 + 7,05 \cdot 18 - 4,008 \cdot 25 \\ 335,4 : 43 + 19,68 - 0,28 \cdot 17 \\ 2322,2 : 68 - 0,875 \cdot 19 + 275,06 : 34 \end{array}$$

**529.**  $(2572,5 : 10 - 378,4 : 100) \cdot 50$   
 $(1 - 0,009) \cdot 48 + (150,6 - 48,85)$   
 $(1837,5 : 5 + 205,6 \cdot 12) - 2037,28$   
 $6048,24 : 12 - (85 - 76,173) \cdot 27$

**530.**  $630 : 16 + 583 : 14$                        $25,024 : 32 - 0,007$   
 $0,782 : 23 + 31,07 : 65$                        $105,3 : 15 - 0,824$   
 $374,4 : 48 - 177,1 : 46$                        $0,9 : 36 + 26,7$   
 $1,134 : 42 + 7,208 : 34$                        $918 : 15 + 1,78$



**531.**  $(9\,036,72 : 18 - 1\,492,75 : 25) \cdot 100$   
 $8\,075,25 : 25 \cdot (0,285 + 4,715)$   
 $(127,14 - 85,839) \cdot 15 - (1,339 : 13)$   
 $(1,134 : 42 + 7,208 : 34) \cdot 100$

**532.** O'z sinfingiz sathining yuzini hisoblang va bir o'quvchiga necha kv. metr joy to'g'ri kelishini aniqlang.

**533.** Hisoblang:

$1,98 : 44 + 255,64 : 83$	$0,075 : 15 + 0,48 : 12$
$6,3 : 28 + 1,7 : 25$	$968,2 : 94 + 180,36 : 36$
$6 : 30 - 2,4 : 40$	$160,8 : 24 - 18,9 : 35$
$18,278 : 26 + 308,56 : 38$	$1,6 : 64 + 2,4 : 32$

**534.**  $(100\,000 - 154,38) : 2 + 75,726 \cdot 4$   
 $(1 - 0,088) + (15,75 + 18,02) \cdot 19$   
 $0,052 \cdot 125 + 9,746 : 22$   
 $28,385 \cdot (3,586 + 4,725) - 186,75 : 15$

**535.** Uzunligi 80 m, eni 20 metrlik polizga sabzi va karam ekildi. Poliz maydonining  $\frac{1}{4}$  qismiga sabzi, qolgan qismiga karam ekildi. Karam ekilgan yer yuzasini hisoblang.

**536.** Amallarni bajaring:

$70,035 : 35 + 159,087 \cdot 8$	$(138,6 : 10 + 339,9 : 75) \cdot 10$
$59,29 : 77 + 28,098 : 14$	$(72,9 : 18 + 85,153 : 17) \cdot 100$

**537.** Yuzi 35 kv. m bo'lgan xona polini bo'yash uchun 9,5 kg moyli bo'yoq sarflansa, 2 ta shunday xonaga necha kg moyli bo'yoq kerak bo'ladi?

**538.** Amallarni bajaring:

$$49,56 : 14 + 0,286 \cdot 35$$

$$4000 - 46,06 \cdot 27 + 168,4$$

$$24,804 \cdot 16 - 621,3 : 19$$

$$0,0418 + 152,57 : 38 - 3,07$$

**539.** Taqqoslang:

$$2,007 - 0,934 \dots 138,92 : 46$$

$$9,85 - 7,64 \dots 22,792 : 28$$

$$41,6 + 0,052 \dots 0,874 \cdot 42$$

$$1243,84 : 46 \dots 38,95 \cdot 19$$

**540.** Har bir mashinaga 900 tadan g'isht ortildi. Agar bitta g'isht 3,75 kg kelsa va har bir mashina 7 martadan qatnasa, 72 t g'ishtni tashish uchun nechta mashina kerak bo'ladi?

**541.**  $806,754 + 35,8 + 84,75$

$$69,27 + 57,46 + 28,824$$

$$514,713 + 95,481 + 1,027$$

$$305,09 + 806,700 + 9,998$$

$$35,49 + 76,883 + 145,399$$

$$47,051 + 10,890 + 0,075$$

**542.**  $38 + 170,15 + 0,165$

$$220,006 + 40,30 + 0,045$$

$$14,122 + 184,32 + 0,40$$

$$34,120 + 0,807 + 1,004$$

$$305,207 + 25,87 + 0,076$$

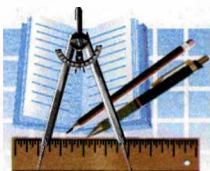
$$0,301 + 214,07 + 3,12$$

$$14,502 + 34,12 + 0,703$$

$$15,206 + 0,703 + 1,001$$

**543.** Maktab yosh tabiatshunoslari uchun qurilayotgan uzunligi 12,6 m, eni 6,3 m bo'lgan quyov boqiladigan xona tomini yopish uchun necha kvadrat metr taxta kerak bo'ladi?

**544.** Tikuvchilik ustaxonasida 92,8 m matodan 29 ta erkaklar paltosi, 49,5 m matodan 18 ta ayollar paltosi tikildi. Bitta erkaklar paltosiga bitta ayollar paltosiga qaraganda qancha ortiq mato ketgan?



# GEOMETRIYA

## YUZA. YUZA BIRLIKLARI

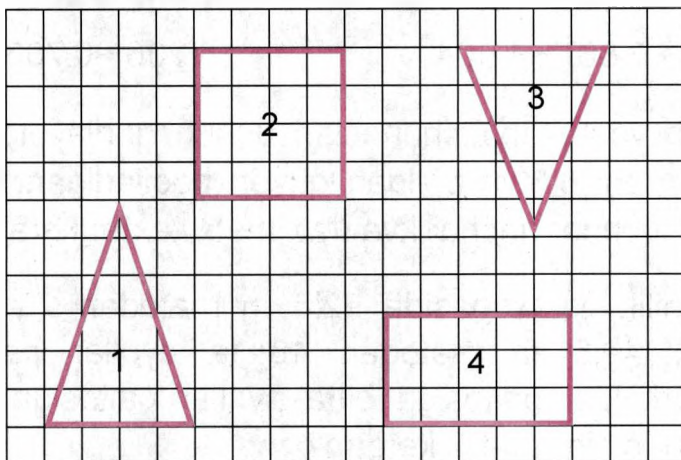
**545.** 1) Doira chizing, doira ichiga uchburchak chizing. U doira ichiga sig'dimi? Bunday holda doira yuzi uchburchak yuzidan katta yoki uchburchak yuzi doira yuzidan kichik deymiz.

2) Berilgan shakllarni ko'z bilan chamalab solishtiring.



Qaysi shakl katta joyni egallayapti?

**546.** Har bir shaklda butun kvadratchalar (kataklar) soni nechta? Qaysi shakl yuzasi kichik (katta)?



547. Kvadrat va to'g'ri burchaklar shakllarini qirqmasdan, bir-birining ustiga qo'ymasdan solishtirish mumkinmi? Nima uchun? Rasmda buni qilish mumkin.



548. Ikkita kvadrat chizing va qirqib oling. Kvadratlarning bir tomoni 4 sm, ikkinchisining bir tomoni 7 sm bo'lsin. Kvadratlarni bir-birining ustiga qo'yamiz. Qaysi kvadrat yuzi kichik?



### Esda tuting!

Shakllarning yuzi o'lchov birliklari bilan o'lchanadi. Bu o'lchov birliklariga kvadrat santimetr, kvadrat detsimetr, kvadrat metr kiradi. Eng kichik yuz kvadrat millimetr bilan, eng katta yuz esa kvadrat kilometr bilan o'lchanadi. Okean, dengiz, davlatlar yer maydoni kvadrat kilometr bilan o'lchanadi.

549. 1) Yashab turgan uy, xonadon yer maydoni qaysi o'lchov birligi bilan o'lchanadi?
- 2) Kitob, daftarlar qaysi o'lchov birligi bilan o'lchanadi?
- 3) Shahringiz maydoni qaysi o'lchov birligi bilan o'lchanadi?
- 4) Stol, stullarning yuzi qaysi o'lchov birligi bilan o'lchanadi?
- 5) Daftarda chizilgan to'rtburchak, kvadratlar qaysi o'lchov birligi bilan o'lchanadi?

**550.** 1 mm<sup>2</sup> (1 kv mm) hosil qilish uchun tomoni 1 mm li kvadrat bo'lishi kerak.

1 m<sup>2</sup> (1 kv m) hosil qilish uchun tomoni 1 m li kvadrat bo'lishi kerak.

1 km<sup>2</sup> (kv km) hosil qilish uchun tomoni 1 km li kvadrat bo'lishi kerak.



- Tomoni 1 mm bo'lgan kvadratning yuzi **1 kvadrat millimetr** deyiladi, hamda **1 kv mm** yoki mm<sup>2</sup> ga teng.
- Tomoni 1 sm bo'lgan kvadratning yuzi **1 kvadrat santimetr** deyiladi, hamda **1 kv sm** yoki sm<sup>2</sup> ga teng.
- Tomoni 1 dm bo'lgan kvadratning yuzi **1 kvadrat detsimetr** deyiladi, hamda **1 kv dm** yoki dm<sup>2</sup> ga teng.
- Tomoni 1 m bo'lgan kvadratning yuzi **1 kvadrat metr** deyiladi va **1 kv m** yoki m<sup>2</sup> ga teng.
- Tomoni 1 km bo'lgan kvadratning yuzi **1 kvadrat kilometr** deyiladi va **1 kv km** yoki km<sup>2</sup> ga teng.  
1 kv mm, 1 kv sm, 1 kv dm, 1 kv m, 1 kv km – **yuza o'lchov birliklari** hisoblanadi.

### TO'RTBURCHAKNING YUZI

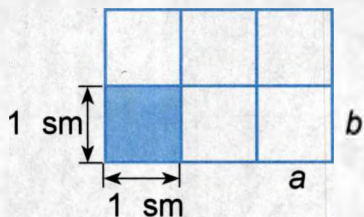
To'rtburchakning yuzini uning bo'yi va enini aniqlagach, hisoblab chiqish mumkin.



Yuza **S** harfi bilan belgilanadi.

**551.** Bo'yi 3 sm va eni 2 sm ga teng bo'lgan to'g'ri to'rtburchakni kvadrat santimetrlarga bo'lamiz. Har birida 3 sm dan ikki qator yoki 2 sm dan 3 ustun kvadratlar hosil bo'ladi. Kvadrat santimetrlarning sonini topish uchun 3 bilan 2 ning ko'paytmasini topish kerak.

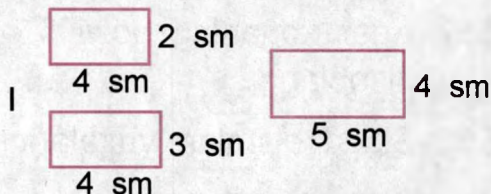
Yuzani  $S$  harfi bilan, bo'yini  $a$ , enini  $b$  bilan belgilaymiz,  
 $S = a \cdot b = 2 \text{ sm} \cdot 3 \text{ sm} = 6 \text{ kv sm}$  yoki  $= 6 \text{ sm}^2$ .



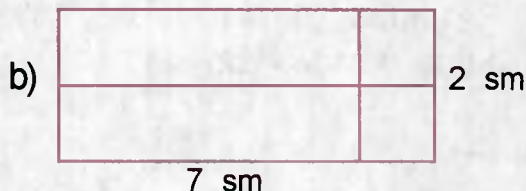
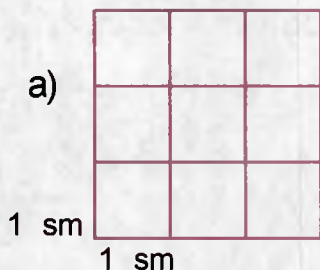
Javob:  $S = 6 \text{ sm}^2$ .

Shunday qilib, to'g'ri to'rtburchakning yuzini hisoblash uchun uning bo'yi va enini bir xil o'lchov birliklarida o'lchab, hosil bo'lgan sonlar o'zaro ko'paytiriladi.

**552.** Har bir to'g'ri to'rtburchakning yuzini toping:



**553.** Rasmdagi ma'lumotlardan foydalanib, to'g'ri to'rtburchakning yuzini toping:

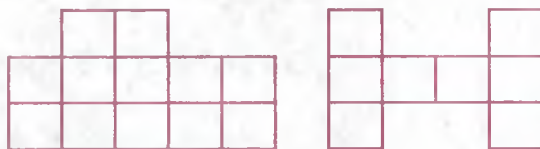


To'g'ri to'rtburchakning bo'yi 12 sm, eni esa bo'yidan 3 marta qisqa. To'g'ri to'rtburchakning yuzini toping.

To'g'ri to'rtburchakning tomonlari uzunliklari bo'yicha yuzini hisoblang:

- a) 12 sm va 7 sm;                      b) 16 dm va 6 dm;  
 d) 9 mm va 7 mm;                      e) 22 m va 12 m.

**554.** Har bir shakldagi kvadrat santimetrlarni sanang. Har bir shaklning yuzi nimaga teng?

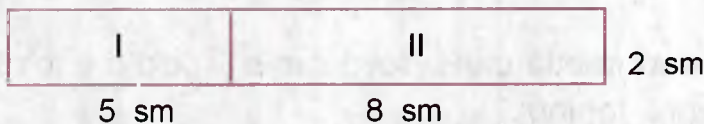


**555.** Bo'yi 6 sm, eni 4 sm bo'lgan to'g'ri to'rtburchakning yuzini hisoblang.

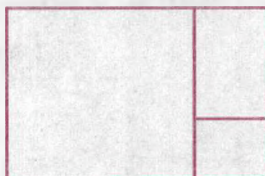
**556.** Bo'yi 6 sm, eni 5 sm bo'lgan to'g'ri to'rtburchakning yuzini hisoblang.

**557.** Agar xonaning bo'yi 5 m, eni 4 m bo'lsa, polning yuzini hisoblang.

**558.** Shakl qismlari yuzalarini hisoblang:

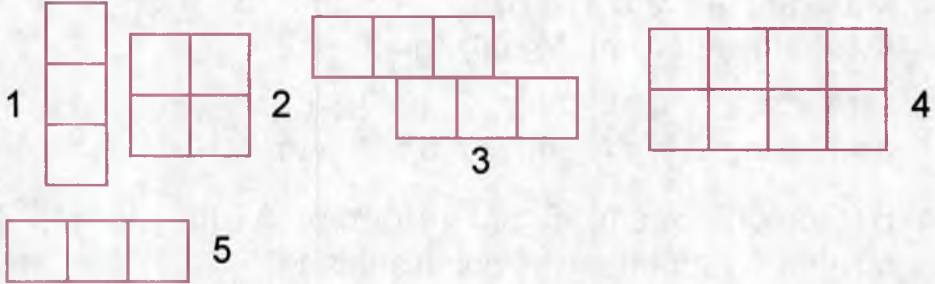


**559.** Rasmdan 5 ta to'g'ri to'rtburchakni toping, ulardan bittasi kvadrat bo'lsin:



**560.** Tomonlari 6 sm va 4 sm bo'lgan to'g'ri to'rtburchak chizing. Uning yuzi ( $S$ ) ni va perimetri ( $p$ ) ni toping.

**561.** Rasmda ko'rsatilgan shakllarning yuzi ( $S$ ) ni va perimetri ( $p$ ) ni toping:

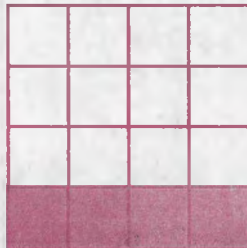


**562.** To'g'ri to'rtburchak shaklidagi gulzorning bo'yi 16 m, eni esa 10 metr. Gulzorning yuzini hisoblang.

### KVADRATNING YUZI

**563.** Kvadratning tomoni 4 sm. Bu kvadratning asosi bo'ylab kvadrat santimetrlar qo'yib boramiz. Birinchi qatorga 4 ta  $\text{sm}^2$  joylashdi. Demak, bir qatorning yuzi  $4 \text{ sm}^2$  ekan. Kvadratning butun yuzida bunday qatorlardan 4 ta hosil bo'ladi. Butun kvadratning yuzini bilish uchun  $4 \text{ sm}^2$  ni 4 ga ko'paytirish kerak:

$$S = 4 \text{ sm}^2 \cdot 4 = 16 \text{ sm}^2.$$







**Yodda tuting:** Kvadratning yuzini hisoblash uchun uning bir tomonini o'lchash va topilgan sonni o'z-o'ziga ko'paytirish kerak:  $S = a \cdot a$  yoki  $S = a^2$

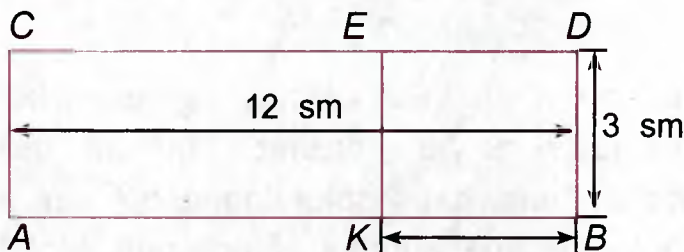
Masalan,  $a = 3$  sm bo'lsa,  $S = 3 \text{ sm}^2 \cdot 3 = 9 \text{ sm}^2$ .

Kvadratning yuzini hisoblang:

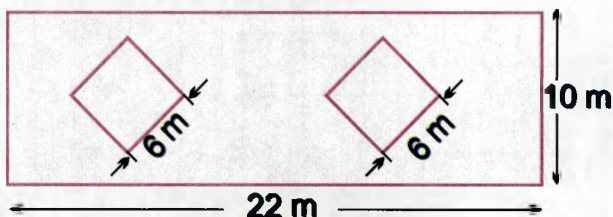
$a = 4$  dm;     $a = 6$  mm;     $a = 9$  m;  
 $a = 10$  dm;     $a = 7$  sm;     $a = 12$  sm.

**564.** Bir tomoni 5 sm; 8 sm; 40 mm; 3 dm; 15 m; 8 km bo'lgan kvadratning yuzini hisoblang.

**565.** Rasmda nechta to'g'ri to'rtburchak bor? Ularni toping va o'qing. Chizmada berilgan o'lchovlardan foydalanib, to'g'ri to'rtburchaklarning yuzini hisoblang.



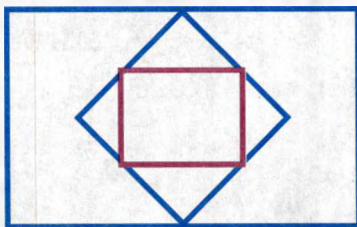
**566.** To'g'ri to'rtburchak shaklidagi maydonning bo'yi 22 m, eni 10 m. Shu maydon o'rtasidagi kvadrat shaklida ikkita bir xil gulzor ajratildi. Agar gulzor kvadratning tomoni 6 m bo'lsa, qolgan joyning yuzini toping.



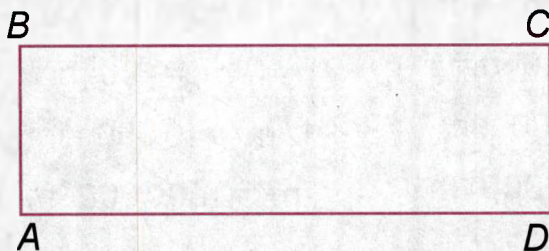
567. Bo'yi 5 sm va eni 3 sm bo'lgan to'g'ri to'rtburchakni 15 ta teng kvadratlarga bo'ling va  $\frac{3}{15}$  qismini bo'yang.

568. Asosi 7 dm, balandligi 5 dm bo'lgan to'g'ri to'rtburchakning yuzini hisoblang.

569. Rasmda nechta ko'pburchak bor?



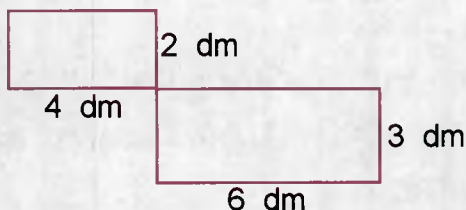
570. Perimetri shunga teng bo'lgan boshqa to'g'ri to'rtburchak yasang. To'g'ri to'rtburchakning yuzini toping:



571. To'g'ri to'rtburchaklar yuzasi  $12 \text{ sm}^2$ . Yetishmayotgan o'lchov birliklarini toping:



Asos 6 sm, balandlik . Balandlik 3 sm, asos .

572. Rasmdagi shakllar yuzini toping:



**573.** 1 sm<sup>2</sup>, 1 dm<sup>2</sup>, 1 m<sup>2</sup> ni qog'ozga chizing va qirqib oling. Bu kvadrat birliklarini taqqoslang. 1 m<sup>2</sup> shaklni kvadrat detsimetrlarga; 1 dm<sup>2</sup> ni kvadrat santimetrlarga; 1 sm<sup>2</sup> ni kvadrat millimetrlarga bo'lib chiqing. Har bir yirik o'lchov birligida nechta mayda o'lchov birligi bor?



Uzunlik (o'lchov birliklari)	Kvadrat o'lchovlari (yuza hajm o'lchov birliklari)
 1 sm	 1 sm <sup>2</sup>
1 sm = 10 mm	1 sm <sup>2</sup> = 100 mm <sup>2</sup> (10 10)
1 dm = 10 sm	1 dm <sup>2</sup> = 100 sm <sup>2</sup> (10 10)
1 m = 10 dm	1 m <sup>2</sup> = 100 dm <sup>2</sup> (10 10)
1 m = 100 sm	1 m <sup>2</sup> = 10 000 sm <sup>2</sup> (100 100)
1 km = 1000 m	1 km <sup>2</sup> = 1 000 000 m <sup>2</sup> (1000 1000)

Uzunlik o'lchovlari yordamida uzunlik, kenglik, balandlik, qalinlik o'lchanadi.

Kvadrat o'lchovlar yordamida yuzalar o'lchanadi.

- 574.** 1) sinfdagi romning har bir oynasi;  
 2) sport zali;  
 3) sinf doskasi yuza hajmini hisoblang.

Bu yuza hajmlarini bilish uchun qaysi o'lchamlarni aniqlash kerak?

575. Quyidagi o'lchovlar asosida yuzalarni hisoblang:

To'g'ri to'rtburchak	
bo'yi	eni
25 sm	5 sm
7 dm	12 dm
18 m	3 m
50 dm	4 dm

Kvadrat
tomoni
22 sm
3 dm
80 sm
100 sm

576. Jadvalni to'ldiring:

Kvadrat	To'g'ri to'rtburchak	
tomoni	bo'yi	eni
6 dm	7 dm	5 dm
3 dm, 6 sm	9 dm	12 dm
80 sm	8 m	3 m

### YER MAYDONLARI YUZASI O'LCHOVLARI

577. Dala hovli, ekinzor, dala, o'rmonlar yuzasi **gektar** va **ar** bilan o'lchanadi.



**Ar** – tomoni 10 m bo'lgan kvadrat: **1 ar = 100 kv m**

**Gektar (ga)** – tomoni 100 m bo'lgan kvadrat:

$$1 \text{ ga} = 10000 \text{ kv m}$$

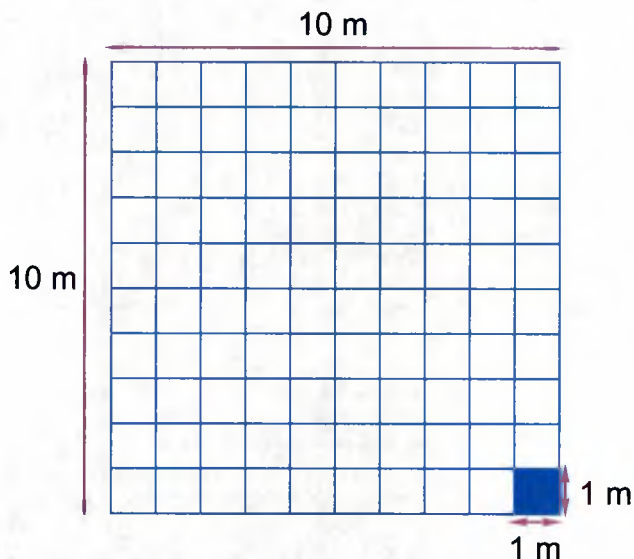
$$1 \text{ ga} = 100 \text{ ar}$$

**Ar** sonlar yonida kelsa 1 a, 5 a, 12 a deb belgilanadi.

O'zbekistonning yer maydoni yuzasi: 447 400 kv km ga teng.

**578.** Sport maydonida bir tomoni 10 metrga teng kvadrat yasang. Uning yuzi **1 ar** ga teng. 1 ar ni kvadrat metrlarga bo'lsak, uni quyidagicha hisoblash mumkin:

$$1 \text{ ar} = 10 \text{ m}^2 \quad 10 = 100 \text{ m}^2.$$



**579.** Kvadrat metrlarda ifodalang:

2 ar	50 ar	1 ar 5 m <sup>2</sup>	6 ar 3 m <sup>2</sup>
7 ar	10 ar	1 ar 25 m <sup>2</sup>	7 ar 7 m <sup>2</sup>
5 ar	12 ar	2 ar 30 m <sup>2</sup>	30 ar 6 m <sup>2</sup>
8 ar	85 ar	7 ar 44 m <sup>2</sup>	20 ar 12 m <sup>2</sup>

$$100 \text{ m}^2 = 1 \text{ ar}$$

**580.** Arga aylantiring:

200 m <sup>2</sup>	2500 m <sup>2</sup>	3600 m <sup>2</sup>
205 m <sup>2</sup>	404 m <sup>2</sup>	4500 m <sup>2</sup>

320 m<sup>2</sup>

356 m<sup>2</sup>

5 000 m<sup>2</sup>

640 m<sup>2</sup>

150 m<sup>2</sup>

7 000 m<sup>2</sup>

**581.** Arga aylantiring: namunaga qarab yozing (1 ga = 100 ar):

2 ga

4 ga

7 ga 8 ar

8 ga

5 ga

6 ga

52 ga 30 ar

7 ga

3 ga

10 ga

70 ga 55 ar

12 ga

15 ga

13 ga

38 ga 9 ar

18 ga

**582.** Gektarga aylantiring (100 ar = 1 ga):

200 ar

1 700 ar

37 500 ar

7 000 ar

500 ar

4 000 ar

20 050 ar

8 300 ar

1 300 ar

3 600 ar

61 800 ar

20 714 ar

103 ar

7 100 ar

51 870 ar

43 000 ar

**583.** Kvadrat metrlarda ifodalang (1 ga = 10 000 m<sup>2</sup>):

2 ga

4 ga

70 ga 60 m<sup>2</sup>

7 ga

5 ga

65 ga 4 m<sup>2</sup>

13 ga

10 ga

24 ga 600 m<sup>2</sup>

18 ga

11 ga

30 ga 824 m<sup>2</sup>

**584.** Gektarga aylantiring:

20 000 m<sup>2</sup>

35 000 m<sup>2</sup>

50 000 m<sup>2</sup>

700 000 m<sup>2</sup>

70 000 m<sup>2</sup>

100 000 m<sup>2</sup>

90 000 m<sup>2</sup>

120 000 m<sup>2</sup>

**585.** Arlarda ifodalang:

2 500 m <sup>2</sup>	7 300 m <sup>2</sup>	6 900 m <sup>2</sup>
47 600 m <sup>2</sup>	29 900 m <sup>2</sup>	31 400 m <sup>2</sup>
568 800 m <sup>2</sup>	365 100 m <sup>2</sup>	293 200 m <sup>2</sup>

**586.** Yuzani hisoblang, hosil qilingan sonlarni arlarda, gektarlarda ifodalang:

Dalaning, bog'ning, polizning bo'yi	eni	yuzi	yuzi ar bilan	yuzi gektar bilan
800 m	620 m			
15 m 25 sm	34 m			
70 m	65 m			
950 m	500 m			

**587.** Suv basseynining bo'yi 25 m, eni 15 m. Shu basseynning yuzini va perimetrini hisoblang.

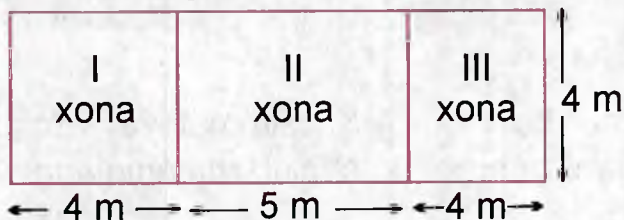
**588.** Binoning bo'yi 48 m, eni bo'yining yarmiga teng. Bu bino qanday maydonni egallaydi?

**589.** Sport zalining bo'yi 24 m, eni esa undan 2 marta kichik. Sport zalining yuzini hisoblang.

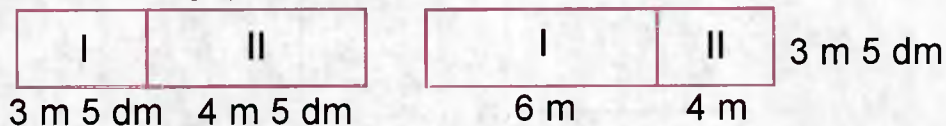
**590.** Ikki xonali uydagi bir xonaning bo'yi 5 m, eni 4 m, ikkinchi xonaning bo'yi 3 m, eni 4 m. Har bir xonaning yuzasini, perimetrini hisoblang.

**591.** Sinfning bo'yi 7 m, eni 6 m. Sinfda 14 o'quvchi bor. Har bir o'quvchiga necha kvadrat metr joy to'g'ri keladi?

**592.** Chizmada ko'rsatilgan xonalarning yuzini aniqlang:



**593.** Xonalarning yuzini toping:



**594.** Bog'dagi nok daraxtlari bo'yi 80 m, eni 45 m bo'lgan maydonni egallaydi. Hamma bog'ning  $\frac{1}{5}$  qismi nok daraxtlariga ajratilgani ma'lum bo'lsa, butun bog'ning yuzasi qancha?

**595.** 1) Maktab bog'i to'g'ri to'rtburchak shaklida. Bog'ning bo'yi 55 m, eni undan 15 m qisqa. Maktab bog'ining yuzini toping.

2) Tomoni 40 m bo'lgan kvadrat shaklidagi yer maydoniga tarvuz va qovun ekilgan. Butun maydonning to'rtidan bir qismini tarvuz, qolgan qismini esa qovun egallaydi. Maydonning qanday qismiga qovun ekilgan?

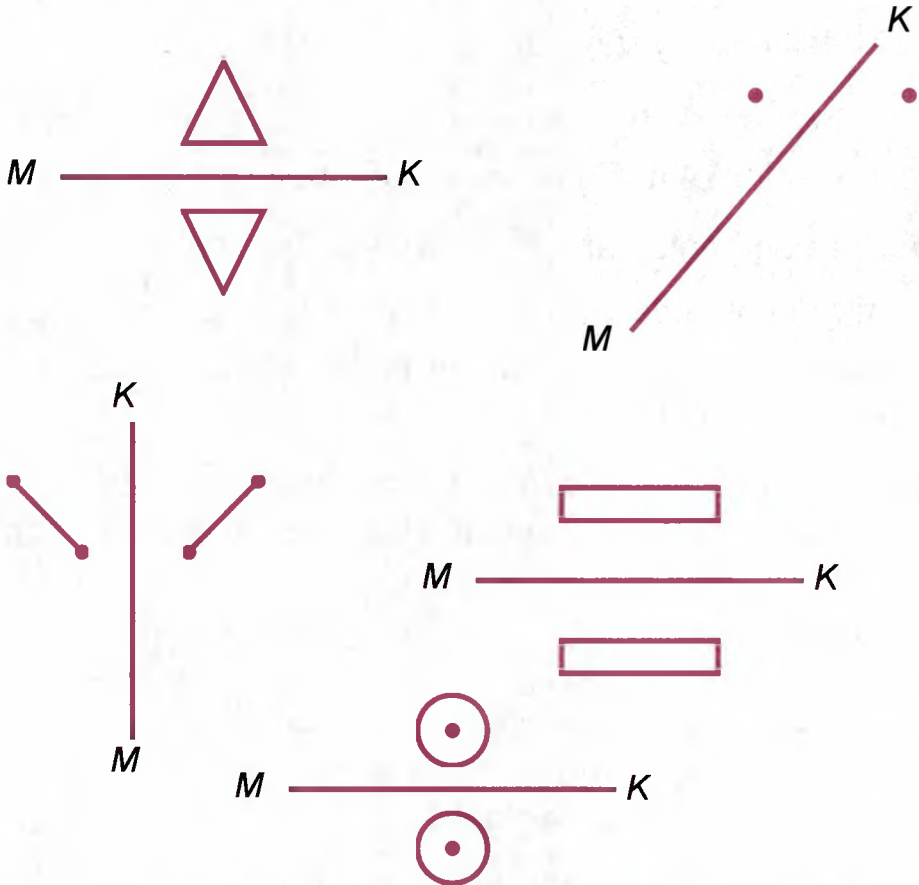
**596.** Tomoni 6 sm bo'lgan kvadrat chizing. Kvadratning yuzini va perimetrini hisoblang.

**597.** Bo'yi 9,1 sm, eni 7 sm bo'lgan to'g'ri to'rtburchak chizing. Bu to'g'ri to'rtburchakning yuzini va perimetrini hisoblang.



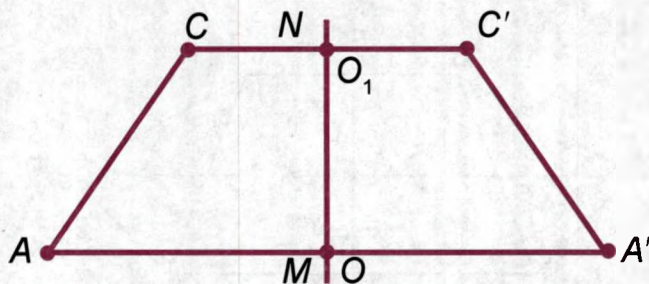
## SIMMETRIYA O'QIGA NISBATAN KESMA, UCHBURCHAK, KVADRATLARNING YASALISHI

598. Shakllarni ko'ring.  $MK$  simmetriya o'qiga simmetrik joylashgan geometrik shakllarni aniqlang va ayting.

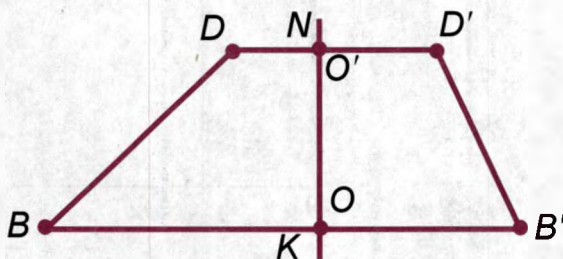
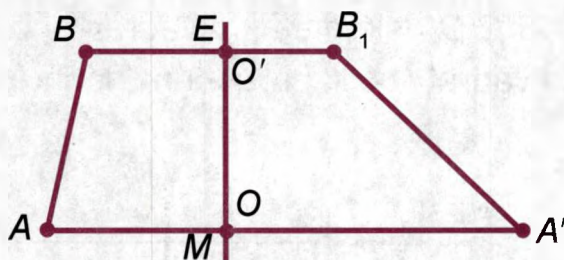


Geometrik shakllardan teng masofada turgan to'g'ri chiziq – simmetriya o'qidir.

$MN$  simmetriya o'qiga nisbatan  $AC$  kesmaga simmetrik  $A'C'$  kesma chizing.  $A'C'$  kesma  $AC$  kesmaga simmetrik bo'ldimi?

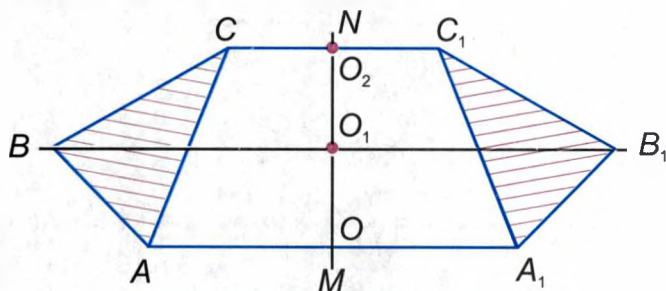


599.  $A'B'$  kesma  $AB$  ga nisbatan,  $B'D'$  kesma  $BD$  kesmaga nisbatan simmetrikmi?

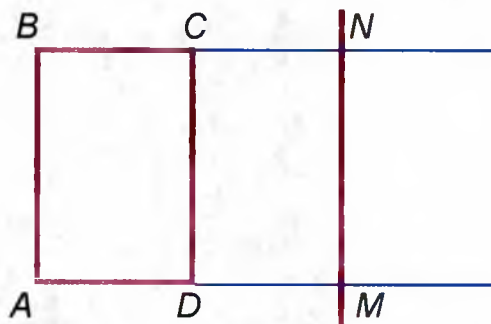


600.  $MN$  simmetriya o'qi va  $ABC$  uchburchak berilgan bo'lsa,  $MN$  simmetriya o'qiga nisbatan  $ABC$  uchburchakka simmetrik  $A'B'C'$  uchburchagi qanday chiziladi, tushuntiring.

**601.**  $ABC$  uchburchagini chizamiz va simmetriya o'qiga nisbatan va  $ABC$  uchburchagi uchlariga mos holda nuqtalarni ( $A_1B_1C_1$ ) birlashtiramiz.

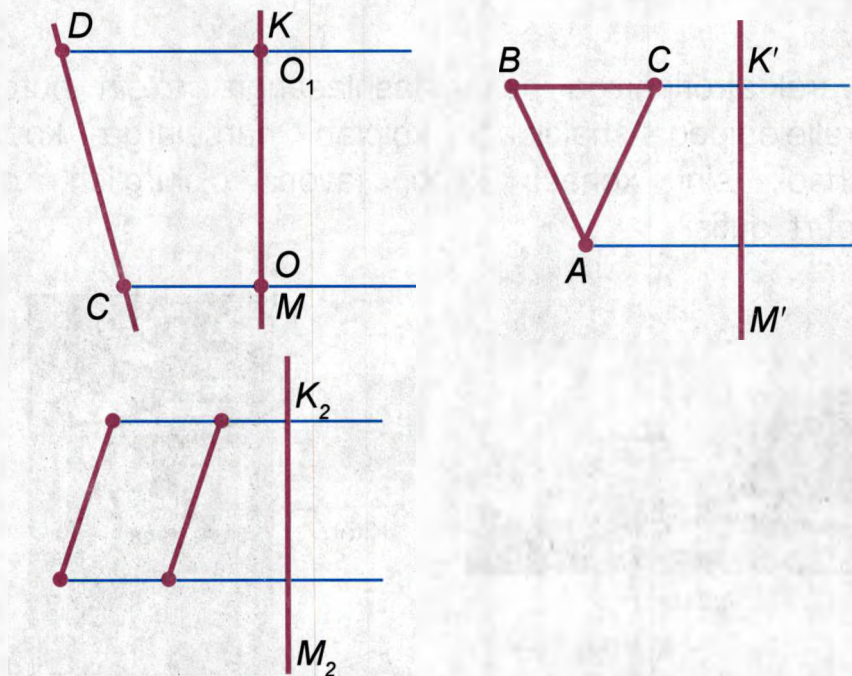


**602.** Chizilgan  $ABCD$  kvadrat va  $MN$  simmetriya o'qiga nisbatan  $A'B'C'D'$  simmetrik kvadrat chizing.  $A'B'C'D'$  simmetrik kvadrat bo'lishi uchun nechta nuqta kerak bo'ladi?



Berilgan kesma, uchburchak, kvadratlarga simmetrik shakl yasash uchun kesma uchlari, uchburchak, kvadrat uchlariga nisbatan simmetrik nuqtalar qo'yiladi va ular birlashtiriladi.

603. Berilgan geometrik shakllar asosida simmetrik shakllar chizing:



604. 1) Tomoni 2 sm li kvadrat yasang, simmetriya o'qi chizing va birinchi kvadratga nisbatan simmetrik kvadrat yasang.
- 2)  $BD = 45$  mm li kesma yasang, simmetriya o'qi chizib  $B_1D_1$  kesmasini yasang.
- 3) Rasmda berilgan juft simmetrik predmetlarni toping:



## GEOMETRIK JISMLAR

### TO'G'RI BURCHAKLI PARALLELEPIPED VA KUB

**605.** Tevarak-atrofingizga nazar tashlasangiz, to'g'ri burchakli parallelepiped shaklidagi ko'plab narsalarga ko'zingiz tushadi: sinf xonasi, kitob, javon, o'chirg'ich, g'isht, gugurt qutisi.



Sinxona



Kitob



Javon



O'chirg'ich



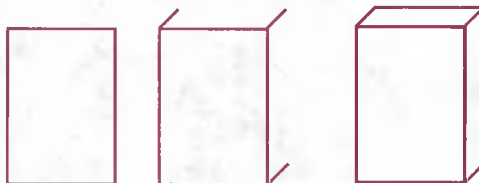
G'isht



Gugurt qutisi

To'g'ri burchakli parallelepipedning sirti 6 ta to'g'ri to'rtburchakdan iborat. Ular parallelepipedning *yoqlari* deyiladi. Uchta qirrasini kesishgan nuqta parallelepipedning *uchi* deyiladi.

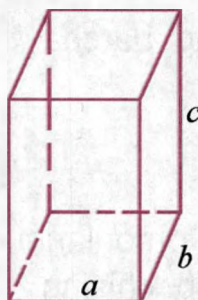
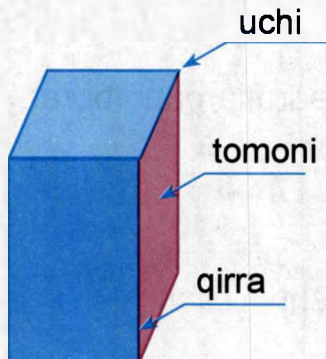
**606.** Parallelepipedni bunday chizish kerak:





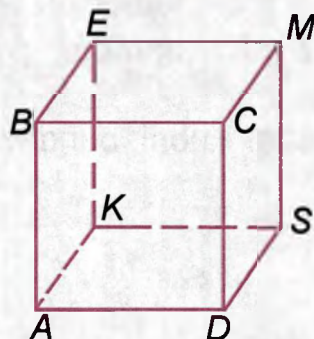
To'g'ri burchakli parallelepipedning qarama-qarshi tomonlari o'zaro teng bo'ladi. Tomonlardan biri asos sifatida qabul qilinadi.

To'g'ri burchakli parallelepipedning bir uchidan chiquvchi 3 ta qirradi – bo'yi, eni va balandligi uning *o'lchamlari* deyiladi. Ular  $a$ ,  $b$  va  $c$  harflar bilan belgilanadi.



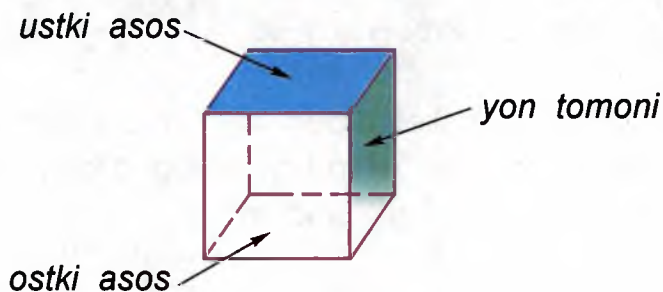
**Esda saqlang!** To'g'ri burchakli parallelepipedning 6 ta tomoni, 12 ta qirradi, 8 ta uchi bor.

To'g'ri burchakli parallelepipedning hamma qirralari teng bo'lsa, bunday to'g'ri burchakli parallelepiped **kub** deyiladi.



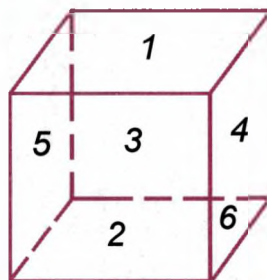
**607.** Rasmga qarang va kubning asoslari, qirralari, uchlarini ayting. Kubning tomonlari, qirradi, uchlarini sanang.

Kub yuqori va pastki asoslar, oldingi, orqa, o'ng va chap tomonlari, qirralardan iborat.



Kubning barcha tomonlari kvadratlardan iborat.

608. Kub tomonlarini raqamlanishi bilan ko'chirib chizing.



**Esda saqlang!** Kubda 6 ta tomon bor. Kubning hamma tomonlari kvadratlar. Kubning hamma tomonlari teng. Kubning 12 ta qirralari bor. Kubning hamma qirralari teng. Kubning 8 ta uchi bor.

609. Kubni bunday chizish kerak:



Kub shaklidagi narsa (jism)larni ayting. Bu narsalarning har biridagi tomonlarni, qirralarni, uchlarni ko'rsating. Kub

turgan tomon nima deb ataladi? Ostki asosga qarama-qarshi tomon nima deb ataladi? Kubning nechta asosi bor? Kubning nechta qirrasi bor? Kubning nechta uchi bor?

## 610. Kub bilan parallelepipedni taqqoslash

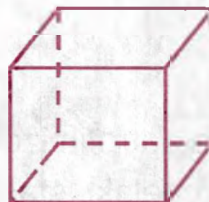
Kub va to'g'ri burchakli parallelepipedni qarab chiqing:

*O'xshashligi:*

Kubning nechta tomoni bor?

Kubning nechta qirrasi bor?

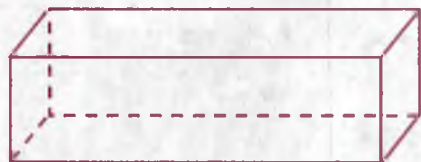
Kubning nechta uchi bor?



Parallelepipedning nechta tomoni bor?

Parallelepipedning nechta qirrasi bor?

Parallelepipedning nechta uchi bor?



*Farqi:*

Kubning tomonlari qanday shaklda?

Kubning ... ta tomoni bor.

Kubning ... ta qirrasi bor.

Kubning ... ta uchi bor.

Kubning tomonlari ... shaklda.

Parallelepipedning tomonlari qanday shaklda?

Parallelepipedning ham ... ta qirrasi bor.

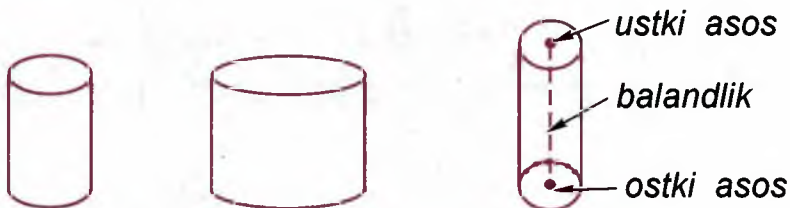
Parallelepipedning ham ... ta uchi bor.

Parallelepipedning tomonlari ... shaklda.



## SILINDR

611. Bu geometrik jismlar – silindrlar:

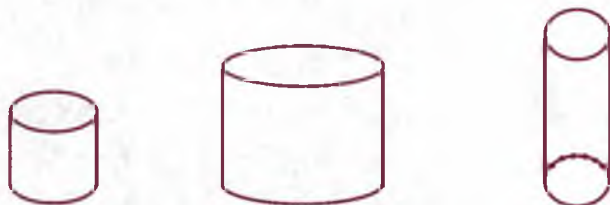


Tevarak-atrofimizdagi juda ko'p narsalar silindr shaklida. Masalan, chelak, stakan, penal, quvur, doiraviy qisimli shakllar va boshqalar.

612. Stakaning balandligini, qalamning, chelakning balandligini o'lchang:



613. Silindrlar asoslarining diametrlari va balandliklari turlicha bo'lishi mumkin. Silindrlarni qarab chiqing:

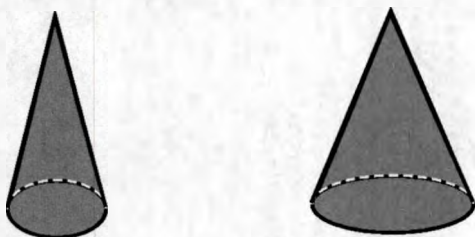


Qanday geometrik shakl silindrning asosi hisoblanadi?

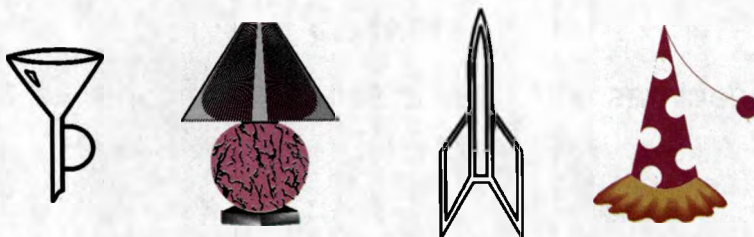
## KONUS

614. Konusning asosi doiradir.

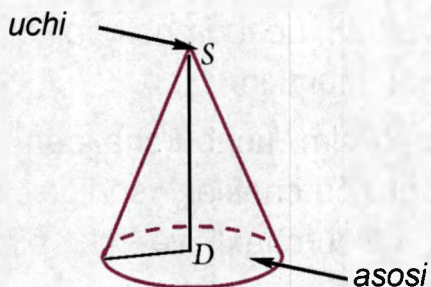
Quyidagi rasmlarda konuslar tasvirlangan:



615. Bu jismlar konus shaklini eslatadi:

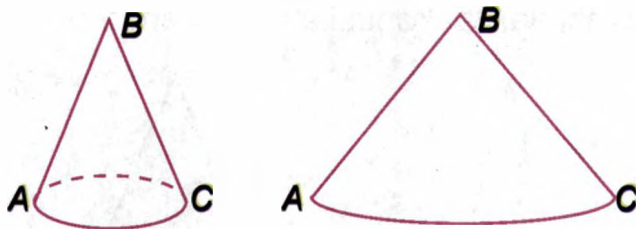


616. To'g'ri burchakli uchburchak bir tomoni atrofida aylanishidan konus hosil bo'lishi mumkin. Konusning balandligi – kesma bo'lib, u konus uchini konus asosi bo'lgan doiraning markazi bilan tutashtiradi.



$SD$  – konus balandligidir

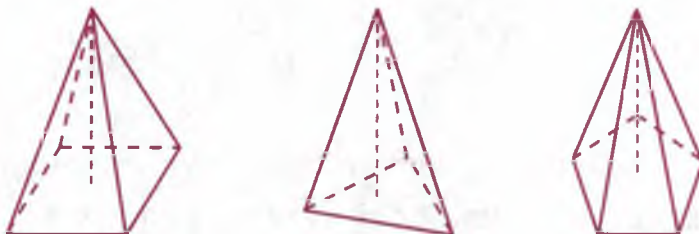
617. Konuslar bir-biridan balandligi va asosining diametri bilan farq qiladi.



618. Plastilindan, qog'ozdan, fanerdan bir nechta konus yasang.

### PIRAMIDA

619. Quyidagi rasmda piramidalar tasvirlangan:



Har qaysi piramidaning uchini, balandligini va asosini ko'rsating.

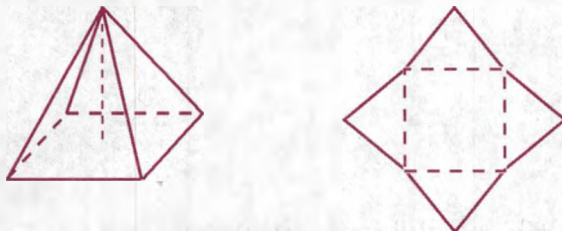
Piramidalarning asoslari kvadrat, uchburchak, oltiburchak va h.k. lardan iborat bo'lishi mumkin.

Piramidaning yon tomonlari doim uchburchakdan iborat bo'ladi. Piramida asosidagi burchaklar soniga qarab to'rtburchakli, uchburchakli, oltiburchakli va h.k. piramida deyiladi.

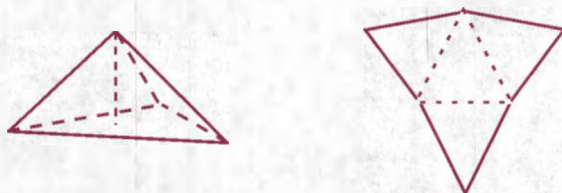
620. Palstilindan to'rtburchakli va uchburchakli piramidalar yasang.

621. Piramidaning yoyilmasi.

Bu to'rtburchakli piramidaning yoyilmasi yoki to'la sirti:



Bu uchburchakli piramidaning yoyilmasi yoki to'la sirti:



Bu oltiburchakli piramidaning yoyilmasi yoki to'la sirti:



### SHAR

622. Quyidagi jismlar shar shaklida:

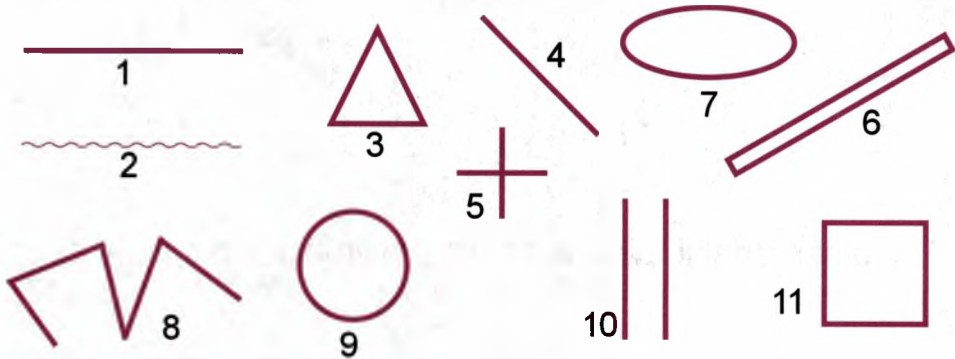


Shar texnikada juda ko'p qo'llaniladi. Mashinalarning qismlari orasidagi ishqalanishni kamaytiradigan sharikli podshipniklarni bunga misol qilib keltirish mumkin.

623. Sharning kattaligi uning radiusi uzunligiga bog'liq:



624. 1) Geometrik shakllarni ayting.



2) Jadvalga geometrik shakllardan mosining tartib raqamini qo'ying.

To'g'ri chiziqlar	
Egri chiziqlar	
Siniq chiziqlar	

3) 2, 8 shakllar 3, 6, 7, 9 shakllardan qanday farq qiladi?

625.  $a$ ,  $b$ ,  $d$  rasmlarda qanday geometrik shakllarni ko'rayapsiz?



a)



b)



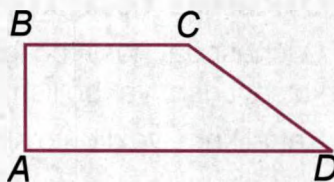
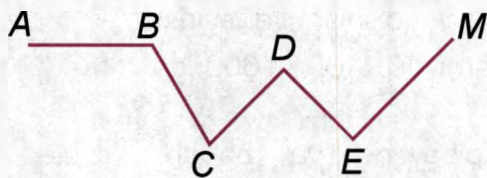
d)

626. 1) 2 sm, 35 mm, 4 sm li kesmalar chizing. Ushbu kesmalar yig'indisini toping.

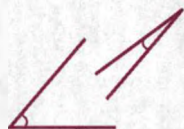
2)  $c = a - b$ , bunda  $a = 6$  sm,  $b = 4$  sm bo'lgan kesma chizing.

3)  $a = 3$  sm,  $b = 15$  mm bo'lgan  $c = a + b$  kesmani chizing.

627. Siniq chiziq uzunligini qanday topish mumkin.



628.  $a$ ,  $b$ ,  $d$ ,  $e$  rasmlardagi geometrik shakllar nomini, burchak turlarini ayting.



a)



b)



d)



e)

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