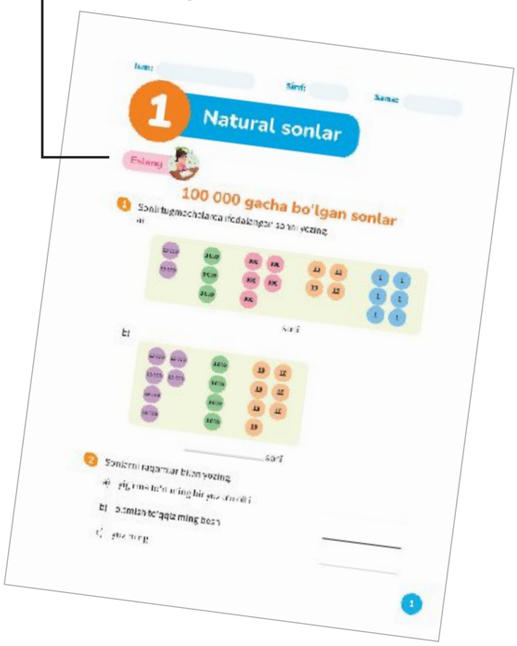
So‘zboshi

“AHA! Matematika” mashq daftari darslikning ajralmas qismi hisoblanadi. Mashq daftari, asosan, uyda shug‘ullanishga mo‘ljallangan. Undagi turli xil amaliy mashq va masalalar, hayotiy topshiriqlar o‘quvchilarning mustaqil o‘rganishini qo‘llab-quvvatlashga yo‘naltirilgan. Mashq daftari yordamida o‘quvchilar yangi matematik bilimlarni o‘zlashtirish va mustahkamlash bilan birga, muammoli vaziyatlarda qo‘l keladigan mantiqiy fikrlash va mulohaza yuritish kabi hayotiy ko‘nikmalarga ham ega bo‘ladi.

Matematika olamiga sayohatingiz qiziqarli va maroqli bo‘lsin!

Eslang

ruknida o‘quvchilarni avvalgi mavzularda o‘rganilgan bilimlarni eslashga yo‘naltiradi.

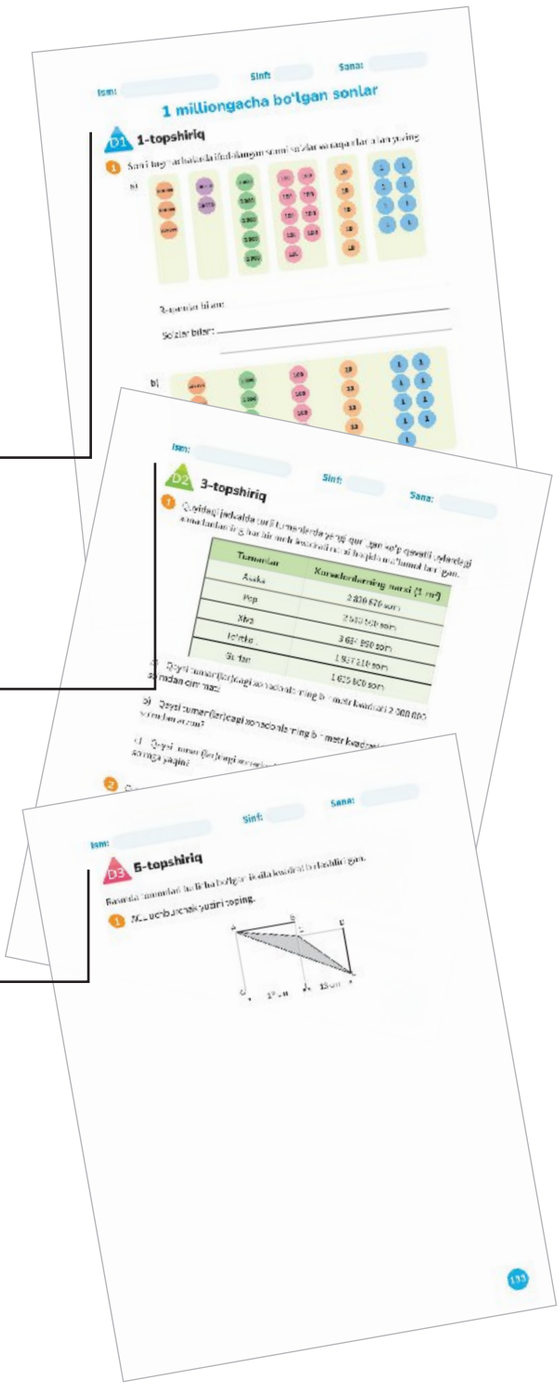


Topshiriq (D1 / D2 / D3)

1) D1 – birinchi darajali topshiriqlar o‘quvchilar mavzuga oid asosiy tushunchalarni qanday o‘zlashtirganini baholaydi va ularga tayanch ko‘nikmalarni egallashda yordam beradi.

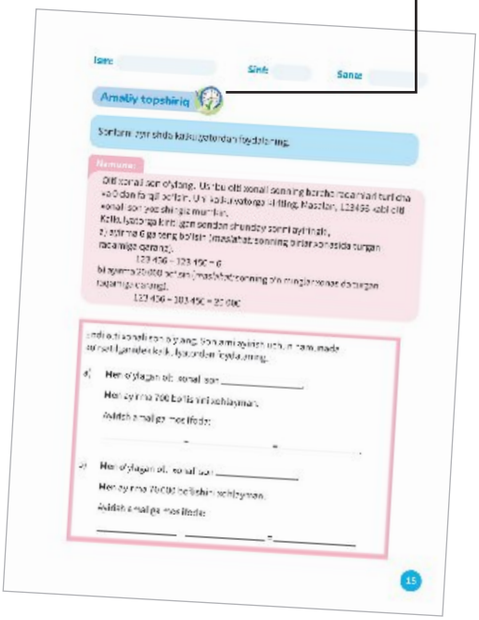
2) D2 – ikkinchi darajali topshiriqlar o‘quvchilar mavzuga oid o‘rtacha murakkablikdagi tushunchalarni qanday o‘zlashtirganini baholaydi va ularga yuqori darajadagi fikrlash ko‘nikmalarini rivojlantirishda yordam beradi.

3) D3 – uchinchi darajali topshiriqlar o‘quvchilar mavzuga oid tushunchalarni qanchalik chuqur o‘zlashtirganini baholaydi hamda ulardagi ijodiy va tanqidiy fikrlash ko‘nikmalarini nostandart, murakkab matematik masalalarni yechish orqali rivojlantiradi.



Amaliy topshiriq

rukni o‘quvchilarga mavzu bo‘yicha egallagan bilim va ko‘nikmalarini namoyish qilish va o‘z-o‘zini baholash imkonini beradi.

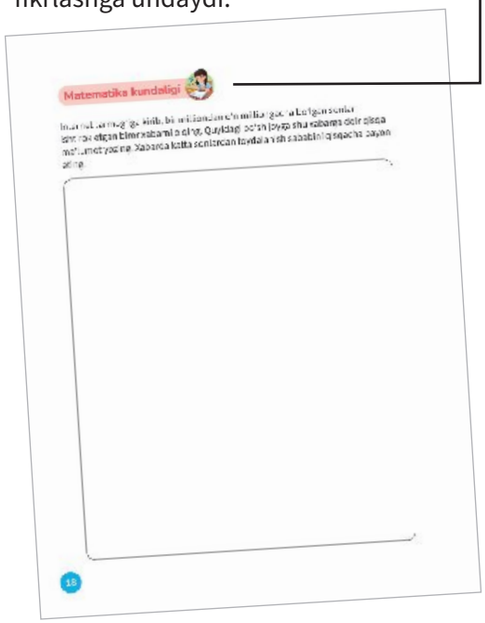

Ism: Sinf: Sana:

Amaliy topshiriq

15

Matematika kundaligi

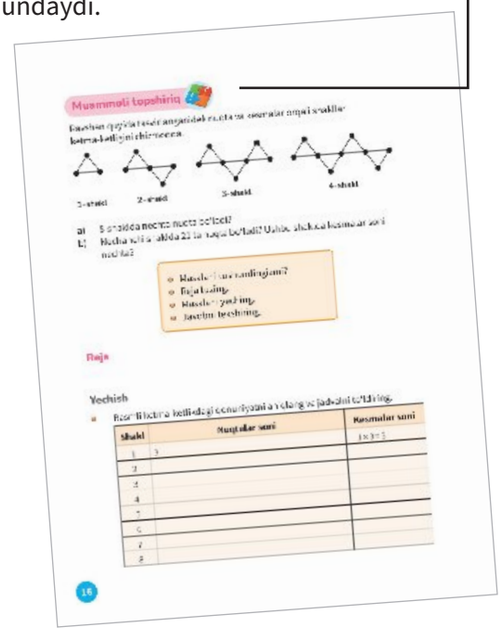
O‘quvchilarni matematikani o‘rganish jarayoni haqida fikrlashga undaydi.


Matematika kundaligi

18

Muammoli topshiriq

rukni o‘quvchilarni to‘rt bosqichli fikrlash jarayoni asosida mulohaza yuritishga va ijodiy yondashishga undaydi.


Muammoli topshiriq

Reja

Yechish

16

Takrorlash

rukni o‘quvchilarga egallagan bilim va ko‘nikmalarni takrorlash hamda mustahkamlash imkonini beradi.

Hisoblashlarni bajarishda kalkulyatordan foydalanish mumkin.


Ism: Sinf: Sana:

I TAKRORLASH

Ahelim

Ism: Sinf: Sana:

D1 8-topshiriq

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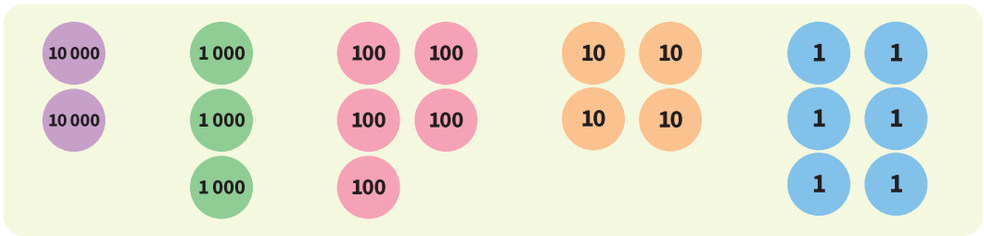
1 Natural sonlar

Eslang 

100 000 gacha bo‘lgan sonlar

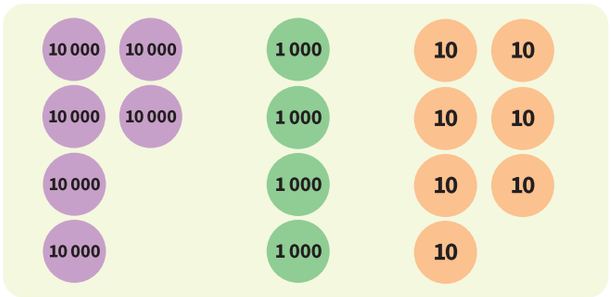
1 Sonli tugmachalarda ifodalangan sonni yozing.

a)



_____ soni

b)



_____ soni

2 Sonlarni raqamlar bilan yozing.

a) yigirma to‘rt ming bir yuz o‘n olti _____

b) oltmish to‘qqiz ming besh _____

c) yuz ming _____

3 Sonlarni so‘zlar bilan yozing.

a) 26 354

_____

b) 74 940

_____

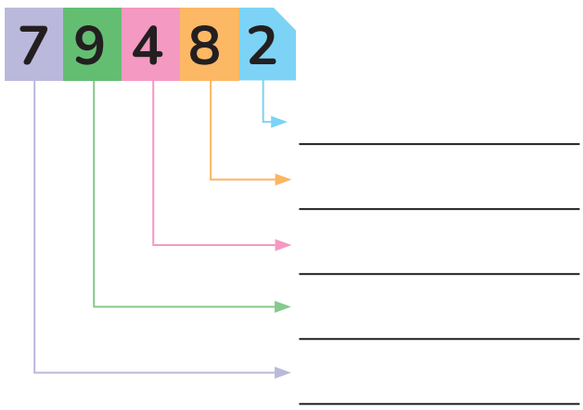
c) 88 405

_____

d) 90 069

_____

4 Sondagi har bir raqamning u turgan xonaga mos qiymatini yozing.



5 87 064 sonidagi:

a) 7 raqami _____ (soni)ni bildiradi.

b) 6 raqami _____ (soni)ni bildiradi.

6 92 358 sonidagi:

a) 9 raqami _____ xonasida joylashgan.

b) 3 raqami _____ xonasida joylashgan.

7 Tushirib qoldirilgan sonni yozing.

a) 73 804 = 70 000 + _____ + 800 + 4

b) 85 931 = _____ + 5000 + 900 + 30 + 1

8 a) Quyidagi sonlarni taqqoslab, o‘sib borish tartibida yozing.

72 536 *72 635* *72 356*

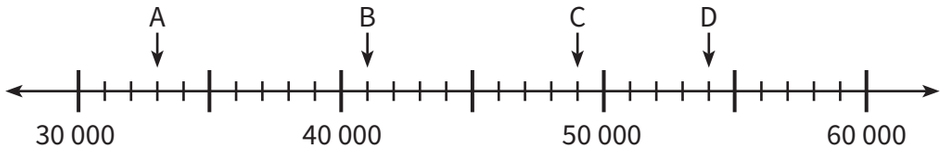
_____, _____, _____

b) Quyidagi sonlarni taqqoslab, kamayib borish tartibida yozing.

64 010 *60 410* *64 100* *60 401*

_____, _____, _____, _____

9 Sonlar o‘qida A, B, C va D harflariga mos keluvchi sonlarni toping.



A _____ B _____

C _____ D _____

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10 Tushirib qoldirilgan sonlarni toping. Sonli ketma-ketlikdagi qonuniyatni yozing.

a) 27 451, 28 451, 29 451, 30 451, _____, _____

Qonuniyat: _____.

b) _____, _____, 58 150, 58 050, 57 950, 57 850

Qonuniyat: _____.

11 Quyidagi sonlarni yaxlitlang.

Son	O‘nlar xonasigacha	Yuzlar xonasigacha	Minglar xonasigacha
3065			
4892			
15 104			
37 597			

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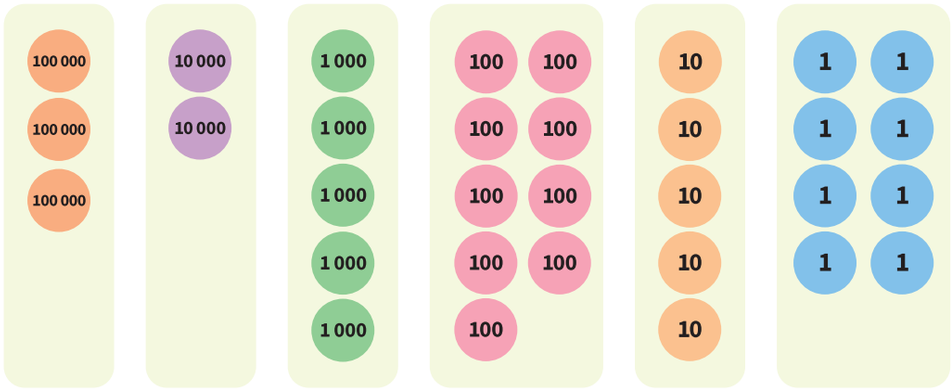
Ism: Sinf: Sana:

1 milliongacha bo‘lgan sonlar

D1 1-topshiriq

1 Sonli tugmachalarda ifodalangan sonni so‘zlar va raqamlar bilan yozing.

a)

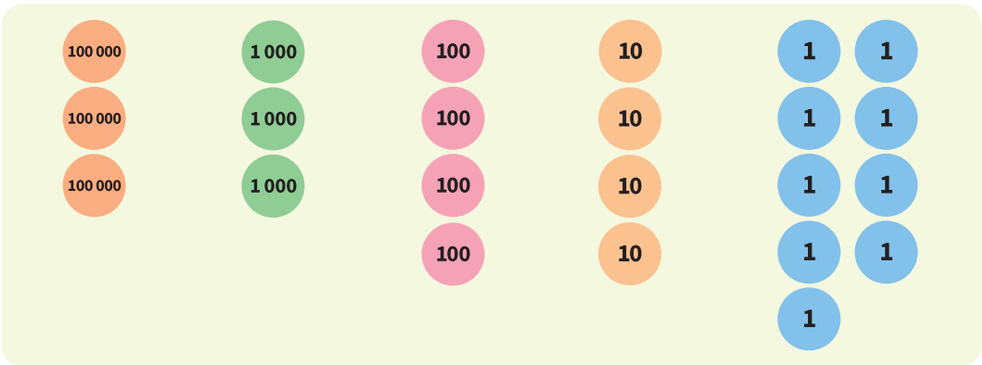


Raqamlar bilan: _____

So‘zlar bilan: _____

_____

b)



Raqamlar bilan: _____

So‘zlar bilan: _____

_____

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2 Sonlarni raqamlar bilan yozing.

a) olti yuz ellik besh ming yetti yuz o‘ttiz sakkiz

b) ikki yuz to‘qson uch ming to‘qqiz yuz qirq to‘qqiz

c) bir yuz o‘n uch ming yigirma olti

d) sakkiz yuz ming sakkiz

3 Tagiga chizilgan sonlarni so‘zlar bilan yozing.

2022-yil davomida O‘zbekistonda tug‘ilgan bolalar 932 217 nafarni tashkil etdi. Ulardan 482 368 nafari – o‘g‘il bola va 449 849 nafari – qizlar.

Manba: stat.uz

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4 Har bir pattadagi pul miqdorini so‘zlar bilan yozing.

a)

PATTA Xazinachi	Invoys raqami: 12345678910 O‘zbekiston Respublikasi Moliya vazirligi g‘aznachiligi			
	Bank nomi	MB Toshkent shahri Bosh boshqarmasi		
	Bank kodi	00001	**STIR**	000000000
	To‘lovchi	Akmal Abdullayev		
	To‘lov turi			Jami
	Tabiiy gaz uchun			132 780 so‘m
	So‘zlar bilan			

b)

PATTA Xazinachi	Invoys raqami: 12345678915 O‘zbekiston Respublikasi Moliya vazirligi g‘aznachiligi			
	Bank nomi	MB Toshkent shahri Bosh boshqarmasi		
	Bank kodi	00001	**STIR**	000000000
	To‘lovchi	Akmal Abdullayev		
	To‘lov turi			Jami
	Elektr energiyasi uchun			700 436 so‘m
	So‘zlar bilan			

c)

PATTA Xazinachi	Invoys raqami 12345678963 O‘zbekiston Respublikasi Moliya vazirligi g‘aznachiligi			
	Bank nomi	MB Toshkent shahri Bosh boshqarmasi		
	Bank kodi	00001	**STIR**	000000000
	To‘lovchi	Akmal Abdullayev		
	To‘lov turi			Jami
	Sovuq suv uchun			925 005 so‘m
	So‘zlar bilan			

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5 Tushirib qoldirilgan sonlarni yozing.

a) 968 245 = 968 000 + _____

b) 703 152 = _____ + 152

c) 800 209 = 800 000 + _____

d) _____ = 470 000 + 500

e) _____ + 832 = 634 832

f) 530 002 = _____ + 2

6 Namuna asosida son tuzing va uni yozing.

Namuna:

4 0 0 0 0 0 6 2 5

400 625

a) 5 0 0 0 0 0 4 5 0

_____

b) 6 0 0 0 0 0 9 0

_____

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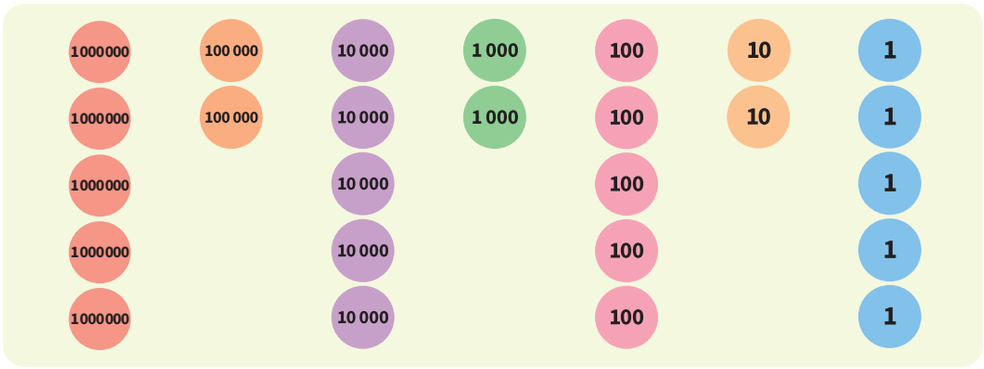
Ism: Sinf: Sana:

10 milliongacha bo‘lgan sonlar

D1 2-topshiriq

1 Sonli tugmachalarda ifodalangan sonni so‘zlar va raqamlar bilan yozing.

a)

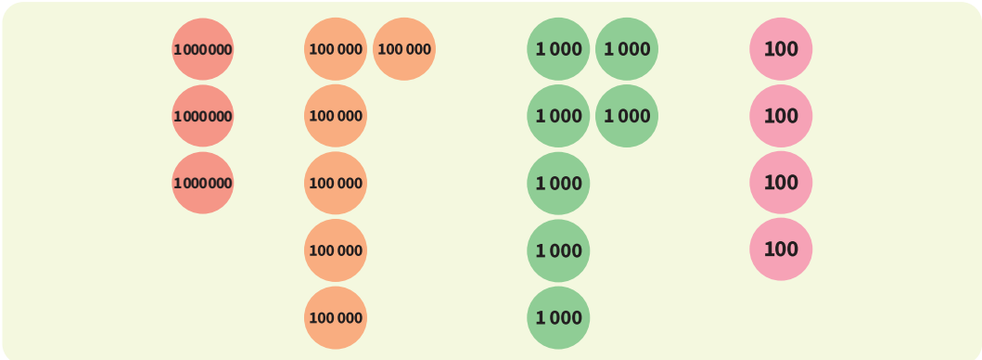


Raqamlar bilan: _____

So‘zlar bilan: _____

_____

b)



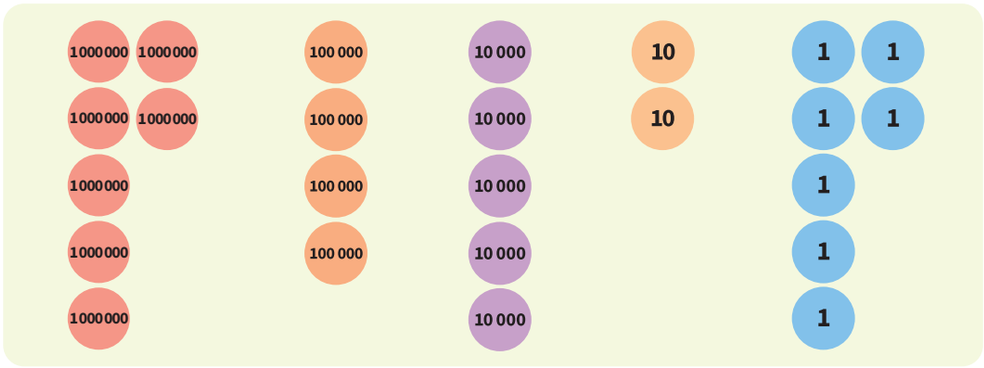
Raqamlar bilan: _____

So‘zlar bilan: _____

_____

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c)



Raqamlar bilan: _____

So‘zlar bilan: _____

_____

2 Sonlarni raqamlar bilan yozing.

a) to‘rt million qirq to‘rt

b) sakkiz million olti yuz yigirma besh ming o‘n bir

c) yetti million ikki yuz yetti ming o‘ttiz

d) to‘qqiz million sakkiz yuz yigirma bir ming olti yuz o‘ttiz yetti

e) o‘n million

f) olti million besh yuz to‘qson

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3 Quyidagi jadvalda 2023-yilda turli davlatlardan O‘zbekistonga kelgan sayyohlar soni berilgan.

Sayyohlar sonini so‘zlar bilan yozing.

Davlatlar	Sayyohlar soni
Qirg‘iziston	1 757 100
Rossiya	714 300
Tojikiston	2 155 200
Boshqa davlatlardan	3 719 650

a) Qirg‘izistondan _____

_____

nafar sayyoh kelgan.

b) Rossiyadan _____

_____

nafar sayyoh kelgan.

c) Tojikistondan _____

_____

nafar sayyoh kelgan.

d) Boshqa davlatlardan _____

_____

nafar sayyoh kelgan.

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4 Tushirib qoldirilgan sonlarni toping.

a) 1 789 302 = _____ + 789 000 + 302

b) 4 256 000 = 4 000 000 + _____

c) 5 390 000 = 5 000 000 + _____

d) 7 000 048 = 7 000 000 + _____

e) 8 901 006 = 8 000 000 + _____ + 6

f) 9 000 000 + _____ + 86 = 9 231 086

5 Sonning qo‘shiluvchilaridan foydalanib uni yozing.

a) 4 0 0 0 0 0 0 | 2 5 0 0 0 0 | 3 7

_____

b) 8 0 0 0 0 0 0 | 6 2 0 0 0 | 5

_____

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Ism: **Sinf:** **Sana:**

D2 3-topshiriq

1 Quyidagi jadvalda turli tumanlarda yangi qurilgan ko‘p qavatli uylardagi xonadonlarning har bir metr kvadrati narxi haqida ma’lumot berilgan.

Tumanlar	Xonadonlarning narxi (1 m^2)
Asaka	2 820 670 so‘m
Pop	2 513 500 so‘m
Xiva	3 684 990 so‘m
To‘rtko‘l	1 987 210 so‘m
Gurlan	1 655 800 so‘m

a) Qaysi tuman(lar)dagi xonadonlarning bir metr kvadrati 2 000 000 so‘mdan qimmat?

b) Qaysi tuman(lar)dagi xonadonlarning bir metr kvadrati 2 500 000 so‘mdan arzon?

c) Qaysi tuman(lar)dagi xonadonlarning bir metr kvadrati 1 500 000 so‘mga yaqin?

2 Quyidagi raqamli kartalarning hammasidan foydalanib, berilgan shart asosida yetti xonali son tuzing.



a) Eng katta juft sonni hosil qiling. _____

b) Eng kichik toq sonni hosil qiling. _____

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3 Quyidagi raqamli kartalarning hammasidan foydalanib, 800 000 ga eng yaqin olti xonali sonni hosil qiling.



Ushbu son: _____.

4 Quyidagi raqamli kartalarning hammasidan foydalanib, bir millionga eng yaqin olti xonali sonni hosil qiling.



Ushbu son: _____.

5 Quyidagi raqamli kartalarning hammasidan foydalanib, besh millionga eng yaqin yetti xonali sonni hosil qiling.



Ushbu son: _____.

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Ism: **Sinf:** **Sana:**

Amaliy topshiriq 

Sonlarni ayirishda kalkulyatordan foydalaning.

Namuna:

Olti xonali son o‘ylang. Ushbu olti xonali sonning barcha raqamlari turlicha va 0 dan farqli bo‘lsin. Uni kalkulyatorga kiriting. Masalan, 123456 kabi olti xonali son yozishingiz mumkin.
Kalkulyatorga kiritilgan sondan shunday sonni ayiringki,
a) ayirma 6 ga teng bo‘lsin (*maslahat:* sonning birlar xonasida turgan raqamiga qarang).

123 456 – 123 450 = 6

b) ayirma 20 000 bo‘lsin (*maslahat:* sonning o‘n minglar xonasida turgan raqamiga qarang).

123 456 – 103 456 = 20 000

Endi olti xonali son o‘ylang. Sonlarni ayirish uchun namunada ko‘rsatilganidek kalkulyatordan foydalaning.

a) Men o‘ylagan olti xonali son _____.

Men ayirma 700 bo‘lishini xohlayman.

Ayirish amaliga mos ifoda:

_____ – _____ = _____.

b) Men o‘ylagan olti xonali son _____.

Men ayirma 70 000 bo‘lishini xohlayman.

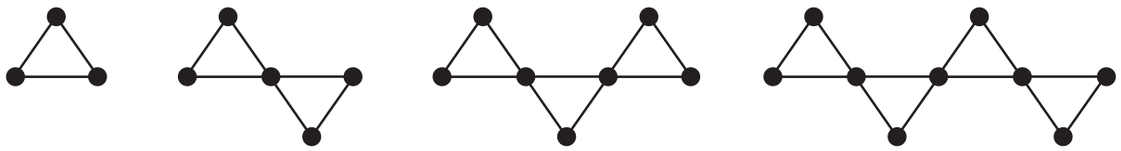
Ayirish amaliga mos ifoda:

_____ – _____ = _____.

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Muammoli topshiriq

Ravshan quyida tasvirlanganidek nuqta va kesmalar orqali shakllar ketma-ketligini chizmoqda.



1-shakl **2-shakl** **3-shakl** **4-shakl**

a) 8-shaklda nechta nuqta bo‘ladi?

b) Nechanchi shaklda 21 ta nuqta bo‘ladi? Ushbu shaklda kesmalar soni nechta?

- Masalani tushundingizmi?
- Reja tuzing.
- Masalani yeching.
- Javobni tekshiring.

Reja

Yechish

- Rasmli ketma-ketlikdagi qonuniyatni aniqlang va jadvalni to‘ldiring.

Shakl	Nuqtalar soni	Kesmalar soni
1	3	$1 \times 3 = 3$
2		
3		
4		
5		
6		
7		
8		

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a)

8-shaklda ____ ta nuqta bo‘ladi.

b)

____ -shaklda 21 ta nuqta va ____ ta kesma bo‘ladi.

Tekshirish

- a)

b)

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Matematika kundaligi



Internet tarmog‘iga kirib, bir milliondan o‘n milliongacha bo‘lgan sonlar ishtirok etgan biror xabarni o‘qing. Quyidagi bo‘sh joyga shu xabarga doir qisqa ma’lumot yozing. Xabarda katta sonlardan foydalanish sababini qisqacha bayon eting.

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Ism: Sinf: Sana:

2 Sonlar ustida to‘rt amal

Sonni 10, 100 va 1000 ga ko‘paytirish

D1 1-topshiriq

1 Ko‘paytiring.

a) 68 × 10 =	b) 579 × 10 =
c) 2803 × 10 =	d) 9780 × 10 =
e) 10 × 15 002 =	f) 24 576 × 10 =

2 Ko‘paytiring.

a) 30 × 100 =	b) 55 × 100 =
c) 823 × 100 =	d) 100 × 408 =
e) 1001 × 100 =	f) 100 × 6725 =

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3 Ko‘paytiring.

a) 62 × 1000 =	b) 83 × 1000 =
c) 400 × 1000 =	d) 1000 × 648 =
e) 1000 × 286 =	f) 507 × 1000 =
g) 900 × 1000 =	h) 802 × 1000 =

4 Ko‘paytiring.

	× 10	**× 100**	**× 1000**
76	760	7600	76 000
309			
9204			

5 a) 1-shaharda 17 533 kishi yashaydi. 2-shaharda esa 1-shaharga qaraganda 10 marta ko‘p kishi yashaydi.

2-shaharda _____ nafar aholi yashaydi.

b) 1-shaharda 91 920 kishi yashaydi. 2-shaharda esa 1-shaharga qaraganda 100 marta ko‘p kishi yashaydi.

2-shaharda _____ kishi yashaydi.

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Ism: Sinf: Sana:

Sonni o‘nlik, yuzlik va mingliklarga ko‘paytirish

D1 2-topshiriq

1 Avval ko‘paytirishning qulay usulidan foydalanib ko‘paytiring, so‘ng kalkulyator yordamida natijani tekshiring.

a) $76 \times 40 =$	
b) $166 \times 30 =$	
c) $70 \times 5600 =$	

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2 Avval ko‘paytirishning qulay usulidan foydalanib ko‘paytiring, so‘ng kalkulyator yordamida natijani tekshiring.

a) $29 \times 300 =$

b) $672 \times 700 =$

c) $4108 \times 600 =$

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3 Avval ko‘paytirishning qulay usulidan foydalanib ko‘paytiring, so‘ng kalkulyator yordamida natijani tekshiring.

a) $302 \times 8000 =$

b) $123 \times 7000 =$

c) $871 \times 5000 =$

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4 Ko‘paytirishga oid ifodalar orasidan ko‘paytmasi bir xil bo‘lganlarini (✓) belgilang.

a)	☐ 100 × 30	☐ 3 × 100 × 100	☐ 3 × 1000
b)	☐ 60 × 10 × 4	☐ 400 × 6 × 10	☐ 60 × 400
c)	☐ 22 × 100 × 10	☐ 200 × 2 × 10	☐ 1000 × 22
d)	☐ 9 × 100 × 20	☐ 9 × 2 × 1000	☐ 10 × 90 × 200

5 Ko‘paytirishga oid ifodalar orasidan ko‘paytmasi bir xil bo‘lganlarini (✓) belgilang.

a)	☐ 57 × 1000 × 3	☐ 50 × 7 × 3000	☐ 57 × 3 × 1000
b)	☐ 1000 × 5 × 42	☐ 42 × 5000	☐ 42 × 5 × 1000
c)	☐ 33 × 3 × 100	☐ 33 × 1000 × 3	☐ 33 × 3000
d)	☐ 40 × 7 × 1000	☐ 7 × 40 × 10 × 100	☐ 47 × 7 × 1000

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Ism: Sinf: Sana:

Sonni 10, 100 va 1000 ga bo‘lish

D1 3-topshiriq

1 Bo‘ling.

a) 50 ÷ 10 =	b) 600 ÷ 10 =
c) 430 ÷ 10 =	d) 9000 ÷ 10 =
e) 8540 ÷ 10 =	f) 31 000 ÷ 10 =

2 Bo‘ling.

a) 9000 ÷ 100 =	b) 8600 ÷ 100 =
c) 23 000 ÷ 100 =	d) 44 000 ÷ 100 =
e) 180 600 ÷ 100 =	f) 510 400 ÷ 100 =

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3 Bo‘ling.

a) 20 000 ÷ 1000 =	b) 50 000 ÷ 1000 =
c) 39 000 ÷ 1000 =	d) 400 000 ÷ 1000 =
e) 750 000 ÷ 1000 =	f) 1 908 000 ÷ 1000 =

4 Bo‘sh joylarni to‘ldiring.

a) 3250 ÷ _____ = 325

b) _____ ÷ 10 = 123

c) 1800 ÷ _____ = 18

d) _____ ÷ 100 = 63

e) 88 000 ÷ _____ = 88

f) _____ ÷ 1000 = 408

5 a) Salim akada 63 500 so‘m bor va uning puli Vohid akanikiga qaraganda 10 marta ko‘p.

Vohid akada _____ bor.

b) Ravshan akada 724 000 so‘m bor va uning puli Sobir akanikiga qaraganda 100 marta ko‘p.

Sobir akada _____ bor.

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Ism: Sinf: Sana:

Sonni o‘nlik, yuzlik va mingliklarga bo‘lish

D1 4-topshiriq

1 Avval bo‘lishga qulay holatga keltirib, so‘ng bo‘ling. Kalkulyatordan foydalanib natijani tekshiring.

a) $540 \div 30 =$

b) $6950 \div 50 =$

c) $8960 \div 70 =$

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2 Avval bo‘lishga qulay holatga keltirib, so‘ng bo‘ling. Kalkulyatordan foydalanib natijani tekshiring.

a) 5600 ÷ 200 =

b) 92 400 ÷ 600 =

c) 73 800 ÷ 900 =

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3 Avval bo‘lishga qulay holatga keltirib, so‘ng bo‘ling. Kalkulyatordan foydalanib natijani tekshiring.

a) 63 000 ÷ 7000 =

b) 280 000 ÷ 4000 =

c) 848 000 ÷ 8000 =

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4 Bo‘lishga oid ifodalar orasidan natijasi bir xil bo‘lganlarini belgilang.

a)	☐ 250 ÷ 10 ÷ 5	☐ 250 ÷ 5 ÷ 10	☐ 250 ÷ 50 ÷ 10
b)	☐ 600 ÷ 3 ÷ 10	☐ 600 ÷ 100 ÷ 3	☐ 600 ÷ 300
c)	☐ 700 ÷ 70	☐ 700 ÷ 10 ÷ 7	☐ 700 ÷ 7 ÷ 10
d)	☐ 120 ÷ 6 ÷ 10	☐ 120 ÷ 60	☐ 120 ÷ 60 ÷ 10

5 Bo‘lishga oid ifodalar orasidan natijasi bir xil bo‘lganlarini belgilang.

a)	☐ 5000 ÷ 100 ÷ 50	☐ 5000 ÷ 5 ÷ 100	☐ 5000 ÷ 50 ÷ 10
b)	☐ 8000 ÷ 4 ÷ 10	☐ 8000 ÷ 400 ÷ 10	☐ 8000 ÷ 4000
c)	☐ 36 000 ÷ 900	☐ 36 000 ÷ 100 ÷ 90	☐ 36 000 ÷ 9000
d)	☐ 48 000 ÷ 100 ÷ 80	☐ 48 000 ÷ 800 ÷ 10	☐ 48 000 ÷ 8000

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Ism: Sinf: Sana:

Qavssiz ifodalarda amallarni bajarish tartibi

D1 5-topshiriq

1 Quyidagi ifodalarning qiymatini toping.

a) 34 + 15 + 29	b) 76 – 42 – 16
c) 63 + 48 – 71	d) 59 – 27 + 33
e) 15 + 83 – 58 + 19	f) 67 – 34 + 18 – 25

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2 Quyidagi ifodalarning qiymatini toping.

a) $2 \times 3 \times 4$	b) $24 \div 6 \div 2$
c) $5 \times 6 \div 3$	d) $100 \div 5 \times 4$
e) $30 \div 10 \times 8 \div 6$	f) $9 \times 8 \div 6 \div 4$

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Ism: Sinf: Sana:

D1 6-topshiriq

1 Quyidagi ifodalarning qay birida amallarni bajarish tartibi to‘g‘ri ko‘rsatilgan? Amallarni bajarish tartibi to‘g‘ri ko‘rsatilgan ifodani belgilang.

a) $30 + 48 \div 3 \times 2$

$\underline{30 + 48} \div 3 \times 2$ $= \underline{78 \div 3} \times 2$ $= 26 \times 2$ $= 52$ ☐	$30 + \underline{48 \div 3} \times 2$ $= \underline{30 + 16} \times 2$ $= 46 \times 2$ $= 92$ ☐
$30 + \underline{48 \div 3} \times 2$ $= 30 + \underline{16 \times 2}$ $= 30 + 32$ $= 62$ ☐	$30 + 48 \div \underline{3 \times 2}$ $= \underline{30 + 48} \div 6$ $= 78 \div 6$ $= 13$ ☐

b) $75 - 15 \div 5 \times 3$

$\underline{75 - 15} \div 5 \times 3$ $= \underline{60 \div 5} \times 3$ $= 12 \times 3$ $= 36$ ☐	$75 - \underline{15 \div 5} \times 3$ $= \underline{75 - 3} \times 3$ $= 72 \times 3$ $= 216$ ☐
$75 - 15 \div \underline{5 \times 3}$ $= 75 - \underline{15 \div 15}$ $= 75 - 1$ $= 74$ ☐	$75 - \underline{15 \div 5} \times 3$ $= 75 - \underline{3 \times 3}$ $= 75 - 9$ $= 66$ ☐

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2 Amallarni bajaring.

a) $3 \times 10 - 6$	b) $8 + 8 \times 4$
c) $9 + 40 \div 4$	d) $54 \div 6 - 6$
e) $5 \times 9 - 3 \times 5$	f) $7 \times 6 + 36 \div 6 - 4$

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Ism: Sinf: Sana:

Qavsli ifodalarda amallarni bajarish tartibi

D1 7-topshiriq

1 Quyidagi ifodalarning qay birida amallarni bajarish tartibi to‘g‘ri ko‘rsatilgan? Amallarni bajarish tartibi to‘g‘ri ko‘rsatilgan ifodani belgilang.

a) $24 \times (3 + 5) - 18 \div 6$

$24 \times \underline{(3 + 5)} - 18 \div 6$ $= \underline{24 \times 8} - 18 \div 6$ $= \underline{192 - 18} \div 6$ $= 174 \div 6$ $= 29$ ☐	$24 \times (3 + 5) - 18 \div 6$ $= 24 \times 8 - \underline{18 \div 6}$ $= 24 \times \underline{8 - 3}$ $= 24 \times 5$ $= 120$ ☐
$\underline{24 \times (3} + 5) - 18 \div 6$ $= 72 + 5 - \underline{18 \div 6}$ $= \underline{72 + 5} - 3$ $= 77 - 3$ $= 74$ ☐	$24 \times \underline{(3 + 5)} - 18 \div 6$ $= \underline{24 \times 8} - 18 \div 6$ $= 192 - \underline{18 \div 6}$ $= 192 - 3$ $= 189$ ☐

b) $19 + (17 - 6) \div 1 \times 5$

$19 + \underline{(17 - 6)} \div 1 \times 5$ $= \underline{19 + 11} \div 1 \times 5$ $= \underline{30 \div 1} \times 5$ $= 30 \times 5$ $= 150$ ☐	$19 + (17 - 6) \div \underline{1 \times 5}$ $= 19 + \underline{(17 - 6)} \div 5$ $= \underline{19 + 11} \div 5$ $= 30 \div 5$ $= 6$ ☐
$\underline{19 + (17} - 6) \div 1 \times 5$ $= \underline{36 - 6} \div 1 \times 5$ $= \underline{30 \div 1} \times 5$ $= 30 \times 5$ $= 150$ ☐	$19 + \underline{(17 - 6)} \div 1 \times 5$ $= 19 + \underline{11 \div 1} \times 5$ $= 19 + \underline{11 \times 5}$ $= 19 + 55$ $= 74$ ☐

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2 Amallarni bajaring.

a) $(6 + 10) \times 5$	b) $(21 - 6) \div 3$
c) $(4 \times 7) - 18$	d) $52 - (16 \times 3) + 5$
e) $11 + (27 \div 9) \div 3$	f) $72 \div 8 + 3 \times (11 - 4)$
g) $(78 - 14) \div 8 \times (15 - 10 + 3)$	h) $20 + 5 \times 8 \div (12 - 8 \div 4)$

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Ism: Sinf: Sana:

Matnli masalalar

D1 8-topshiriq

Masalalarni yeching. Har bir yechimning to‘g‘riligini tekshiring.

1 Gulchehra opaning oylik maoshi 1 460 000 so‘m. U maoshining 750 000 so‘mini jamg‘arib, qolgan pulini ehtiyojlari uchun sarflaydi. Gulchehra opa bir yilda jami qancha pul sarflaydi?



2 Jasur aka 748 500 so‘mga changyutkich sotib oldi. U 111 000 so‘mni boshlang‘ich to‘lov sifatida berib, qolgan qismini oyiga 25 500 so‘mdan bo‘lib to‘ladi. Jasur aka pulning qolgan qismini necha oyda to‘lagan?

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3 A, B va C homiylik markazlarida mos ravishda 1439, 6713 va 5936 ta sovg‘a to‘plami bor. Bu sovg‘alar to‘plami 12 ta mehribonlik uyiga teng miqdorda taqsimlandi. Har bir mehribonlik uyi nechtadan sovg‘a to‘plamini olgan?

4 Idishda 7 litr meva sharbati bor. Meva sharbati 65 ml li stakanlarga to‘ldirib quyildi.

a) Buning uchun nechta 65 ml li stakan kerak bo‘ldi?

b) Idishda qancha meva sharbati qoldi?

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5 Sanobar opa ishxonasi uchun 3 ta kompyuter va 2 ta noutbuk sotib oldi. U jami xarid uchun qancha to‘lashi kerak?



kompyuter



noutbuk

6 A zalda 445 nafar va B zalda 279 nafar o‘quvchi bor. O‘qituvchi A zaldagi bir nechta o‘quvchilarni B zalga ko‘chirgan edi, ikkala zalda ham o‘quvchilarning soni teng bo‘ldi. Ko‘chishdan so‘ng har bir zalda necha nafardan o‘quvchi bo‘ldi?

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7 Shahnoza 468 dona loviyani 15 ta qopchaga teng miqdorda joylasa, nechta loviya ortib qoladi?

8 Temur aka 13 ta futbol to‘pi sotib oldi. U har bir to‘p uchun 180 000 so‘mdan to‘ladi. U xuddi shu miqdordagi pulga 39 juft bir xil sport poyabzalini sotib oldi. Bir juft sport poyabzalining narxi qancha?

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Ism: **Sinf:** **Sana:**

D2 9-topshiriq

Masalalarni yeching. Har bir yechimning to‘g‘riligini tekshiring.

1 Ma’lum miqdordagi pul 3 nafar o‘quvchiga taqsimlandi. Jonibek Aliga qaraganda 1250 so‘m ko‘proq oldi. Bahrom esa Jonibekka qaraganda 3 marta ko‘p pul oldi. Agar Ali 5000 so‘m olgan bo‘lsa, uchala bola jami qancha pul olgan?

2 Ravshan 11 yoshda. Uning opasi Durdona esa Ravshandan 5 yosh katta. Necha yildan so‘ng ularning birgalikdagi yoshi 65 ga teng bo‘ladi?

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3 Laziz aka 56 yoshda. Uning nabirasi Sardor esa 4 yoshda. Necha yildan so‘ng Laziz akaning yoshi nabirasining yoshidan 5 marta katta bo‘ladi?

4 Go‘zal va Zahroda bir xil miqdorda marka bor edi. Go‘zal 245 ta va Zahro 74 ta markasini sotdi. Shundan so‘ng Zahroda Go‘zalga qaraganda 4 marta ko‘p marka qoldi. Dastlab ularning har birida qanchadan marka bor edi?

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5 Sanjar aka 33 600 so‘mga 5 ta ko‘ylak va 8 ta shim sotib oldi. Agar bitta ko‘ylakning narxi bitta shimning narxidan 4 marta qimmat bo‘lsa, bitta ko‘ylakning narxi qancha?

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6 Bitta bo‘sh quti va bir nechta apelsinning umumiy massasi 25 kg.
Bitta bo‘sh quti va bir nechta olmaning umumiy massasi esa 11 kg.
Apelsinlarning massasi olmalarning massasidan 3 marta og‘ir.

a) Apelsinlarning massasini toping.

b) Bo‘sh qutining massasini toping.

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7 Yasminada 120 ta stiker bor edi. U 20 ta stikerini Sitoraga berganidan so‘ng unda Sitoraning stikerlariga qaraganda 2 marta ko‘p stiker qoldi. Ikkala qizda jami nechta stiker bor?

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8 Kamol aka 5 kun davomida bitta loyiha ustida ishladi. U har kuni avvalgi kunga qaraganda 2 soat ko‘proq ishlab, loyihani 40 soatda yakunladi. Kamol aka oxirgi kuni necha soat ishlagan?

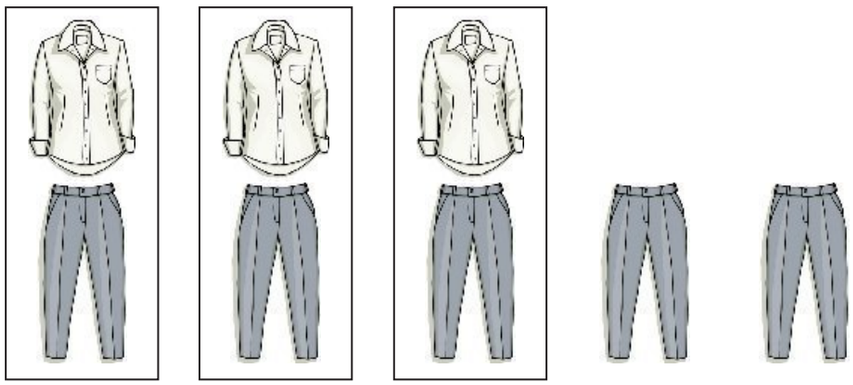
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Ism: Sinf: Sana:

D3 10-topshiriq

Matnli masalalarni yeching. Har bir yechimning to‘g‘riligini tekshiring.

1 5 ta shim va 3 ta ko‘ylakning narxi 2 060 000 so‘m. 1 ta ko‘ylak va 1 ta shimning birgalikdagi narxi 480 000 so‘m. 1 ta ko‘ylakning narxi qancha?



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2 Mahmud akada 20 tadan kam olma bor. U har bir likopchaga 3 tadan olma qo‘ysa, 4 ta olma ortib qoladi, agar 5 tadan qo‘ysa, 2 ta olma yetmay qoladi. Mahmud akada nechta olma bor?

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3 Jamshidda ukasi Sanjarga qaraganda 24 000 so‘m ko‘p pul bor edi. Onasi Jamshidga 3000 so‘m va Sanjarga 5000 so‘m berganidan so‘ng Jamshidning puli Sanjarnikiga qaraganda 2 marta ko‘p bo‘ldi. Dastlab Sanjarda qancha pul bo‘lgan?

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4 Berilgan sonlarning yig‘indisini toping.

$2 + 4 + 6 + 8 + \ldots + 66 + 68 + 70$

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Ism: Sinf: Sana:

Amaliy topshiriq



To‘rt arifmetik amaldan foydalanib ifoda tuzing.

Juftlikda ishlang.

1 dan 9 gacha raqamlarni alohida va arifmetik amallar (+, −, ×, ÷) yozilgan kartochkalarni alohida teskari qilib terib chiqing.

4 ta raqamli va 3 ta arifmetik amallar yozilgan kartochkani tanlang. Tanlangan kartochkalardan foydalanib 2 xil ifoda tuzing.

Javobini yozing.

Misol

3 + 2 × 4 – 1

Javob: 10

a)

Javob:

b)

Javob:

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Muammoli topshiriq

Hilola opada bir nechta 200 so‘mlik va 500 so‘mlik tangalar bor. Uning 200 so‘mlik tangalari soni 500 so‘mlik tangalari soniga qaraganda 4 marta ko‘p. Agar Hilola opada 39 000 so‘m bo‘lsa, unda jami nechta tanga bor?

- Masalani tushundingizmi?
- Reja tuzing.
- Masalani yeching.
- Yechimni tekshiring.

Reja

Yechish

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Tekshirish

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Matematika kundaligi



Ravshan 99 va 784 sonlarining ko‘paytmasini topmoqchi. Biroq uning kalkulyatoridagi 9 raqami ishlamayapti. Ravshanga kalkulyatoridan foydalanib 2 ta son ko‘paytmasini topishda yordam bering.
Yechimingizni izohlang va masalani yechishdagi qadamlar ketma-ketligini ko‘rsating.

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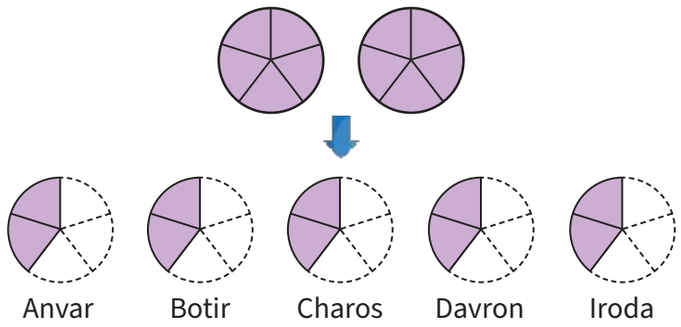
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3 Oddiy kasrlar

Sonlarni bo‘lishni kasr ko‘rinishida ifodalash

D1 1-topshiriq

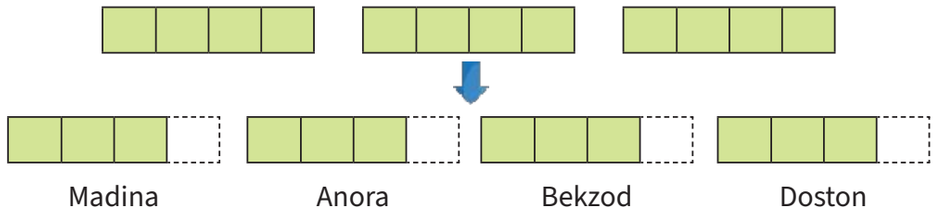
1 2 ta pitsa 5 nafar bolaga teng taqsimlangan. Har bir bola pitsaning qancha qismini olgan?



2 ÷ 5 =

Har bir bola pitsaning _____ qismini olgan.

2 3 ta shokolad 4 nafar bolaga teng taqsimlansa, har bir bola shokoladning qancha qismini oladi?

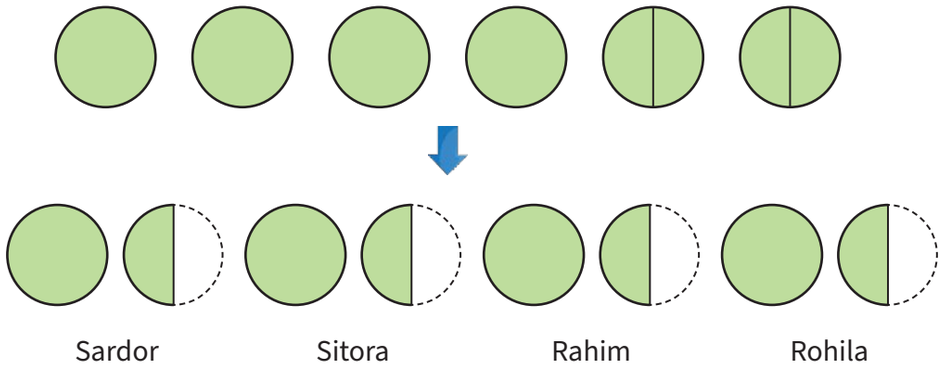


_____ ÷ _____ =

Har bir bola shokoladning _____ qismini oladi.

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3 6 ta pirog 4 ta bolaga teng taqsimlangan. Har bir bola pirogning qancha qismini oladi? Javobni aralash son ko‘rinishida ifodalang.



4 Javobni aralash son ko‘rinishida ifodalang.

a) $22 \div 4$	b) $25 \div 15$

5 Kasrlarni natural sonlar bo‘linmasi ko‘rinishida ifodalang.

a) $\frac{4}{5} =$ _____ $\div$ _____

b) $\frac{1}{6} =$ _____ $\div$ _____

c) $\frac{7}{6} =$ _____ $\div$ _____

d) $\frac{10}{9} =$ _____ $\div$ _____

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Matnli masalalarni yeching.

6 Laziz aka 3 kg shakarni 5 ta idishga teng taqsimladi. Har bir idishga necha kilogrammdan shakar solingan? Javobni kasr ko‘rinishida ifodalang.

7 Uzunligi 7 m bo‘lgan arqon 4 ta teng bo‘lakka bo‘lindi. Har bir bo‘lak uzunligi necha metr? Javobni aralash son ko‘rinishida ifodalang.

8 Madina 8 ℓ suvni 5 ta idishga teng miqdorda quydi. Har bir idishga necha litr suv quyildi? Javobni aralash son ko‘rinishida ifodalang.

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9 Birinchi shamning uzunligi 4 cm. Ikkinchi shamning uzunligi esa 14 cm. Ikkinchi sham birinchi shamdan necha marta uzun? Javobni aralash son ko‘rinishida ifodalang.

10 Aziza opa har biri 2 litrlik 3 quti sutni 15 ta stakanga teng qilib quydi. Har bir stakanga qancha sut quyildi? Javobni oddiy kasr ko‘rinishida ifodalang.

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Ism: Sinf: Sana:

Oddiy kasrni o‘nli kasrga aylantirish

D1 2-topshiriq

1 Oddiy kasrni o‘nli kasr ko‘rinishida ifodalang.

a) $\frac{3}{50}=$	b) $\frac{14}{25}=$
c) $\frac{17}{20}=$	d) $\frac{3}{4}=$
e) $\frac{5}{8}=$	f) $\frac{8}{125}=$

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2 Oddiy kasrni o‘nli kasrga aylantiring va natijani yuzdan birlar xonasigacha yaxlitlang.

a) $\frac{12}{7}=$	
b) $\frac{5}{8}=$	
c) $\frac{11}{3}=$	

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3 Oddiy kasrni o‘nli kasrga aylantiring va natijani yuzdan birlar xonasigacha yaxlitlang.

a) $\frac{12}{13}=$	b) $\frac{42}{17}=$
c) $\frac{19}{21}=$	d) $\frac{74}{15}=$
e) $5\frac{8}{11}=$	f) $2\frac{11}{23}=$

Matnli masalalarni yeching.

4 Uzunligi 16 m bo‘lgan quvur teng 5 bo‘lakka bo‘lindi. Har bir bo‘lakning uzunligi necha metr? Javobni o‘nli kasr ko‘rinishida ifodalang.

5 25 ta mixning narxi 20 000 so‘m. 1 ta mixning narxi qancha? Javobni o‘nli kasr ko‘rinishida ifodalang.

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6 Uzunligi 22 m bo‘lgan sim 30 ta teng bo‘lakka bo‘lindi. Har bir bo‘lakning uzunligini toping. Javobni o‘nli kasr ko‘rinishida verguldan keyingi 2 xonagacha yaxlitlab yozing.

7 Go‘zal $\frac{1}{4}$ kg qizil loviya va $\frac{5}{8}$ kg oq loviya sotib oldi. U jami necha kilogramm loviya sotib olgan? Javobni o‘nli kasr ko‘rinishida yozing.

8 Ravshan idishdagi 2 ℓ olma sharbatidan $\frac{3}{4}$ ℓ ini ichdi. Idishda necha litr olma sharbati qoldi? Javobni o‘nli kasr ko‘rinishida yozing.

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Ism: Sinf: Sana:

Eslang 

To‘g‘ri kasrlarni qo‘shish va ayirish

1 Qo‘shing.

a) $\frac{1}{4}+\frac{2}{5}$	b) $\frac{3}{7}+\frac{1}{10}$
c) $\frac{5}{6}+\frac{3}{4}$	d) $\frac{5}{8}+\frac{2}{3}$

2 Ayiring.

a) $\frac{4}{5}-\frac{1}{2}$	b) $\frac{7}{8}-\frac{3}{5}$
c) $\frac{7}{9}-\frac{3}{4}$	d) $4-\frac{1}{3}$

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3 Sarvar idishdagi $\frac{7}{8}$ ℓ suvdan $\frac{2}{5}$ ℓ ini kosaga quydi. Idishda necha litr suv qoldi? Javobingizni oddiy kasr ko‘rinishida ifodalang.

4 Birinchi arqon $\frac{4}{5}$ m bo‘lib, u ikkinchi arqondan $\frac{1}{4}$ m qisqa. Ikkinchi arqon necha metr?

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Ism: Sinf: Sana:

Aralash sonlarni qo‘shish va ayirish

D1 3-topshiriq

1 Qo‘shing. Javobni aralash son ko‘rinishida ifodalang va to‘g‘riligini tekshiring.

a) $2\frac{1}{4}+2\frac{3}{8}=$	b) $4\frac{2}{3}+2\frac{4}{9}=$
c) $1\frac{1}{2}+2\frac{1}{3}=$	d) $3\frac{5}{6}+2=$
e) $4+2\frac{2}{9}=$	f) $3\frac{1}{3}+3\frac{4}{5}=$
g) $1\frac{1}{3}+2\frac{7}{8}=$	h) $2\frac{2}{3}+4\frac{4}{7}=$

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2 Ayiring. Javobni aralash son ko‘rinishida ifodalang va to‘g‘riligini tekshiring.

a) $2\frac{7}{8} - 1\frac{1}{2} =$	b) $6\frac{5}{12} - 2\frac{1}{4} =$
c) $5\frac{2}{5} - 3\frac{1}{2} =$	d) $7 - 3\frac{5}{6} =$
e) $4\frac{6}{7} - 2\frac{2}{3} =$	f) $8\frac{2}{9} - 3\frac{4}{5} =$
g) $5\frac{7}{10} - 4 =$	h) $6\frac{3}{4} - 1\frac{9}{10} =$

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Ism: **Sinf:** **Sana:**

D1 4-topshiriq

Matnli masalalarni yeching.
Javobni aralash son ko‘rinishida ifodalang va to‘g‘riligini tekshiring.

1 Idishda $4\frac{1}{5}\,\ell$ suv bor. Idishni to‘ldirish uchun unga yana $1\frac{3}{8}\,\ell$ suv quyish kerak. Idishning sig‘imi necha litr?

2 Rasul aka $6\frac{3}{5}$ kg guruchning $3\frac{1}{2}$ kg ini palov uchun ishlatdi. Qancha guruch qoldi?

3 Mansur $2\frac{7}{8}$ km masofaga yugurdi. Salim esa Mansurga qaraganda $\frac{4}{5}$ km kam masofaga yugurdi. Salim qancha masofaga yugurgan?

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4 Arqon $4\frac{3}{4}$ m va $2\frac{7}{10}$ m o‘lchamli ikki qismga bo‘lindi. Arqonning uzunligi necha metrga teng?

5 Jasurning bo‘yi $1\frac{3}{5}$ m. Umidaning bo‘yi Jasurning bo‘yiga qaraganda $\frac{1}{4}$ m uzun. Umidaning bo‘yi necha metr?

6 Nargiza opa 5 metrli matoning $2\frac{7}{8}$ metridan parda tikdi. Necha metr mato qoldi?

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Ism: **Sinf:** **Sana:**

D2 5-topshiriq

Matnli masalalarni yeching.
Javobni aralash son ko‘rinishida ifodalang va to‘g‘riligini tekshiring.

1 Zahro $4\frac{3}{10}$ km masofaga yugurdi. Guli esa Zahroga qaraganda $1\frac{1}{4}$ km ko‘proq masofaga yugurdi. Ikkalasi birgalikda necha kilometr masofaga yugurgan?

2 Rasul aka idishdagi $3\frac{3}{4}\,\ell$ suvdan $2\frac{2}{5}\,\ell$ ini ishlatdi. So‘ng idishga $1\frac{3}{10}\,\ell$ suv quydi. Natijada idishdagi suv necha litr bo‘ldi?

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3 Ko‘k simning uzunligi 8 m ga teng. U qizil simga qaraganda $2\frac{1}{5}$ m uzun. Qizil sim esa qora simga qaraganda $3\frac{3}{8}$ m uzun. Qora simning uzunligini toping.

4 Sevara opa $4\frac{7}{10}$ m oq, $3\frac{1}{2}$ m qora va $2\frac{5}{8}$ m qizil mato sotib oldi. U jami necha metr mato sotib olgan?

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Ism: Sinf: Sana:

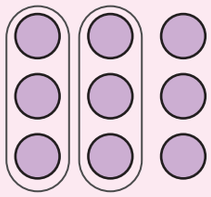
Eslang 

To‘plamning qismi

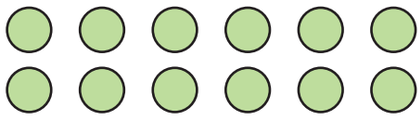
1 Javobni topish uchun doirachalardan iborat guruhlarni ajrating.

Namuna

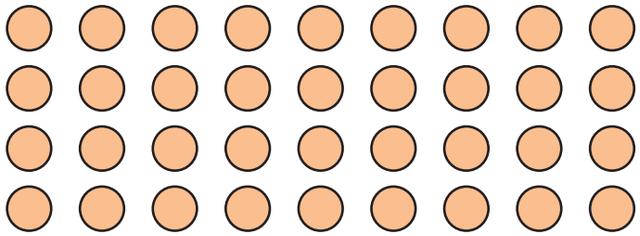
9 ning $\frac{2}{3}$ qismi = 6



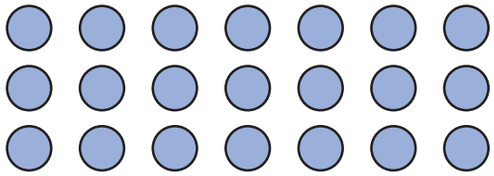
a) 12 ning $\frac{5}{6}$ qismi



b) 36 ning $\frac{4}{9}$ qismi



c) 21 ning $\frac{2}{7}$ qismi



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2 Ifodaning qiymatini toping.

a) 16 ning $\frac{1}{4}$ qismi	b) 15 ning $\frac{3}{5}$ qismi
c) 560 ning $\frac{2}{8}$ qismi	d) 279 ning $\frac{7}{9}$ qismi

Matnli masalalarni yeching.

3 Sojidada 36 ta tugma bor. Ularning $\frac{1}{6}$ qismi qizil, qolganlari esa ko‘k rangda. Sojidada nechta ko‘k tugma bor?

4 Sanobar opa pishirgan somsalarning $\frac{4}{7}$ qismi qovoqli, qolganlari esa kartoshkali. Agar qovoqli somsalar 32 ta bo‘lsa, u jami nechta somsa pishirgan?

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Ism: Sinf: Sana:

To‘g‘ri kasrni natural songa ko‘paytirish

D1 6-topshiriq

1 Ko‘paytiring.

a) $\frac{5}{8} \times 24 =$ O	b) $\frac{3}{5} \times 20 =$ R
c) $\frac{2}{3} \times 69 =$ T	d) $\frac{3}{4} \times 32 =$ A
e) $\frac{4}{9} \times 72 =$ X	f) $\frac{9}{10} \times 150 =$ I

Quyidagi sonlarga mos harflarni yozing. Qanday so‘z hosil bo‘ldi?

32	15	46	135	12	24

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2 Ko‘paytiring. Javobni aralash son ko‘rinishida ifodalang.

a) $\frac{1}{3} \times 62 =$ A	b) $\frac{3}{4} \times 38 =$ A
c) $\frac{6}{7} \times 48 =$ Y	d) $\frac{5}{8} \times 25 =$ I
e) $\frac{2}{5} \times 34 =$ D	f) $\frac{3}{7} \times 13 =$ B

Quyidagi sonlarga mos harflarni yozing. Qanday so‘z hosil bo‘ldi?

_____	_____	_____	_____	_____	_____
$28\frac{1}{2}$	$5\frac{4}{7}$	$20\frac{2}{3}$	$13\frac{3}{5}$	$15\frac{5}{8}$	$41\frac{1}{7}$

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Ism: Sinf: Sana:

D1 7-topshiriq

Matnli masalalarni yeching.

1 Hovuzdagi 74 ℓ suvning $\frac{3}{4}$ qismi gullarni sug‘orish uchun ishlatildi. Necha litr suv ishlatilgan? Javobni aralash son ko‘rinishida ifodalang.

2 Qishloq kengashining ma’lum qilishicha, to‘plangan chiqindilarning $\frac{3}{5}$ qismini qayta ishlash mumkin. Qishloqda jami 415 kg chiqindi to‘plandi.

a) Qancha chiqindini qayta ishlash mumkin?

b) Qancha chiqindini qayta ishlab bo‘lmaydi?

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3 Ali aka 32 km masofaning $\frac{3}{8}$ qismini yugurib, qolgan qismini esa yurib bosib o‘tdi. Ali aka necha kilometr yurgan?

4 Muslima 126 ta shirinlik pishirdi. Ularning $\frac{1}{2}$ qismi shokoladli, $\frac{1}{3}$ qismi qulupnayli va qolgan qismi olmali. Muslima nechta olmali shirinlik pishirgan?

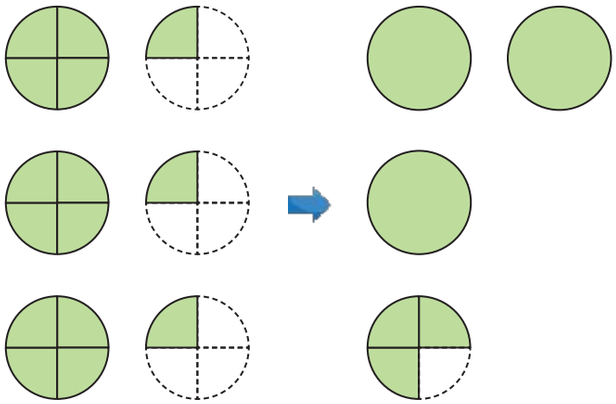
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Ism: Sinf: Sana:

Noto‘g‘ri kasrni natural songa ko‘paytirish

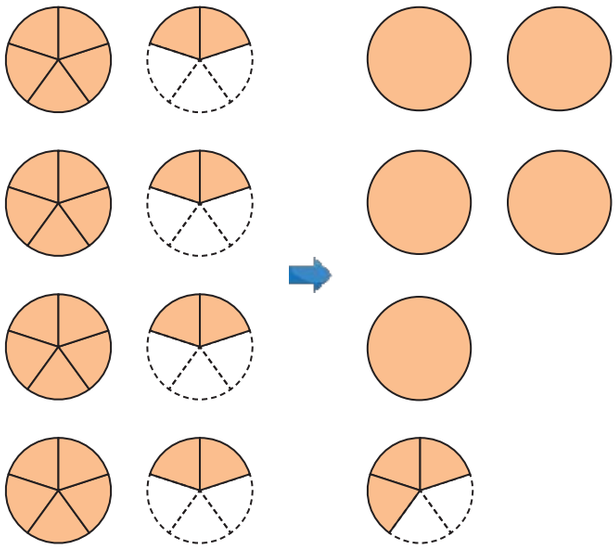
D1 8-topshiriq

1 Ifodaning qiymatini toping: $\frac{5}{4} \times 3$. Javobni aralash son ko‘rinishida ifodalang.



$\frac{5}{4} \times 3 =$

2 $\frac{7}{5}$ ni 4 ga ko‘paytiring. Javobni aralash son ko‘rinishida ifodalang.



$\frac{7}{5} \times 4 =$

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3 Ko‘paytiring.

a) $\frac{9}{2} \times 24 =$	b) $\frac{20}{9} \times 45 =$
c) $\frac{7}{5} \times 85 =$	d) $\frac{8}{7} \times 98 =$
e) $\frac{8}{3} \times 96 =$	f) $\frac{11}{6} \times 246 =$

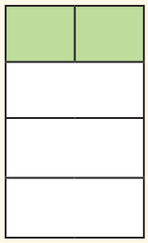
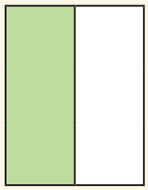
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Ism: Sinf: Sana:

Ikkita to‘g‘ri kasrni ko‘paytirish

D1 9-topshiriq

1 Ifodaning qiymatini toping. Javobni chizmada shtrixlab ko‘rsating.

a)  $\frac{1}{4}$ ning $\frac{1}{2}$ qismi =	$\frac{1}{4}$ ning $\frac{1}{2}$ qismi $= \frac{1}{4} \times \frac{1}{2}$ $=$
b)  $\frac{1}{2}$ ning $\frac{2}{3}$ qismi =	$\frac{1}{2}$ ning $\frac{2}{3}$ qismi $= \frac{1}{2} \times \frac{2}{3}$

2 Ko‘paytiring. Javobni oddiy kasr ko‘rinishida ifodalang.

a) $\frac{2}{5} \times \frac{4}{5} =$	b) $\frac{1}{7} \times \frac{3}{4} =$
c) $\frac{2}{3} \times \frac{3}{4} =$	d) $\frac{2}{7} \times \frac{1}{2} =$
e) $\frac{9}{10} \times \frac{2}{3} =$	f) $\frac{7}{12} \times \frac{4}{5} =$

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Matnli masalalarni yeching.

3 Oysha $\frac{1}{5}$ kg piyozning $\frac{5}{8}$ qismini ovqat tayyorlash uchun ishlatdi. U necha kilogramm piyoz ishlatgan?

4 Davron jami pulining $\frac{1}{3}$ qismini sarfladi. Agar u sarflagan pulining $\frac{9}{10}$ qismiga shim sotib olgan bo‘lsa, Davron jami pulining qancha qismiga shim sotib olgan?

5 Shodiyadagi bir quti tugmaning $\frac{1}{2}$ qismi qizil rangda. Qizil rangdagi tugmalarning $\frac{3}{4}$ qismi esa dumaloq shaklda. Barcha tugmalarning qancha qismi qizil va dumaloq shaklda?

6 5-“A” sinf o‘quvchilarining $\frac{2}{3}$ qismi suzishni biladi. Suzishni biladigan o‘quvchilarning $\frac{4}{5}$ qismi o‘g‘il bola. Suzishni biladigan o‘g‘il bolalar sinf o‘quvchilarining qancha qismini tashkil etadi?

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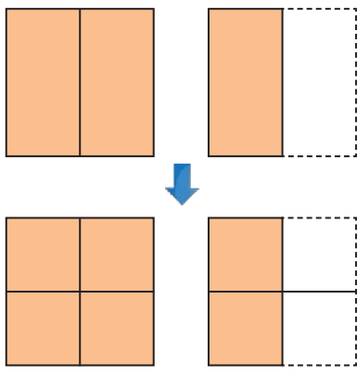
Ism: Sinf: Sana:

To‘g‘ri va noto‘g‘ri kasrlarni ko‘paytirish

D1 10-topshiriq

1 Ko‘paytiring. Javobni chizmada shtrixlab ko‘rsating va oddiy kasr ko‘rinishida ifodalang.

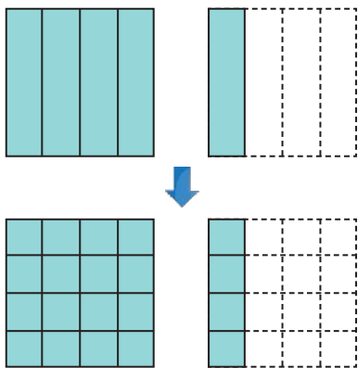
a) $\frac{3}{2}$ ni $\frac{1}{2}$ ga ko‘paytiring.



$\frac{3}{2}$ ning $\frac{1}{2}$ qismi $= \frac{3}{2} \times \frac{1}{2}$

$=$

b) $\frac{5}{4}$ ni $\frac{1}{4}$ ga ko‘paytiring.



$\frac{5}{4}$ ning $\frac{1}{4}$ qismi $=$

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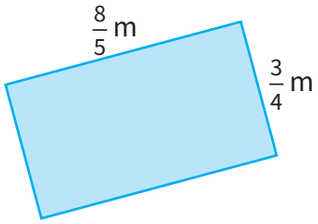
2 Ko‘paytiring.

a) $\frac{2}{3} \times \frac{9}{8} =$	b) $\frac{8}{7} \times \frac{3}{4} =$

3 Ko‘paytiring.

a) $\frac{2}{3} \times \frac{7}{3} =$	b) $\frac{4}{5} \times \frac{8}{5} =$
c) $\frac{5}{6} \times \frac{8}{5} =$	d) $\frac{11}{12} \times \frac{9}{4} =$

4 To‘g‘ri to‘rtburchakning tomonlari $\frac{8}{5}$ m va $\frac{3}{4}$ m bo‘lsa, uning yuzini toping. Javobni aralash son ko‘rinishida ifodalang.



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Ism: Sinf: Sana:

Ikkita noto‘g‘ri kasrni ko‘paytirish

D1 11-topshiriq

1 Ko‘paytiring.

a) $\frac{3}{2}$ ni $\frac{5}{3}$ ga ko‘paytiring.

$\frac{3}{2}$ ni $\frac{5}{3}$ ga =

b) $\frac{7}{4}$ ni $\frac{11}{6}$ ga ko‘paytiring.

$\frac{7}{4}$ ni $\frac{11}{6}$ ga =

c) $\frac{8}{7}$ va $\frac{15}{12}$ ni ko‘paytiring.

$\frac{8}{7} \times \frac{15}{12} =$

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2 Ko‘paytiring.

a) $\frac{4}{3} \times \frac{3}{2} =$	b) $\frac{6}{5} \times \frac{10}{3} =$
c) $\frac{12}{7} \times \frac{7}{4} =$	d) $\frac{10}{3} \times \frac{12}{5} =$

3 Ko‘paytiring.

a) $\frac{12}{7} \times \frac{9}{5} =$	b) $\frac{9}{4} \times \frac{7}{6} =$
c) $\frac{7}{3} \times \frac{15}{4} =$	d) $\frac{9}{8} \times \frac{4}{3} =$
e) $\frac{7}{2} \times \frac{8}{5} =$	f) $\frac{11}{6} \times \frac{9}{4} =$

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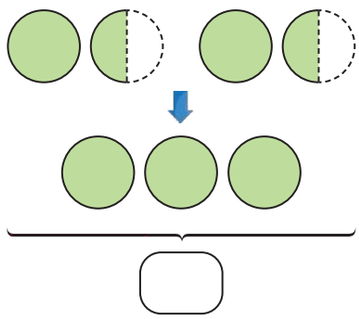
Ism: Sinf: Sana:

Aralash sonni natural songa ko‘paytirish

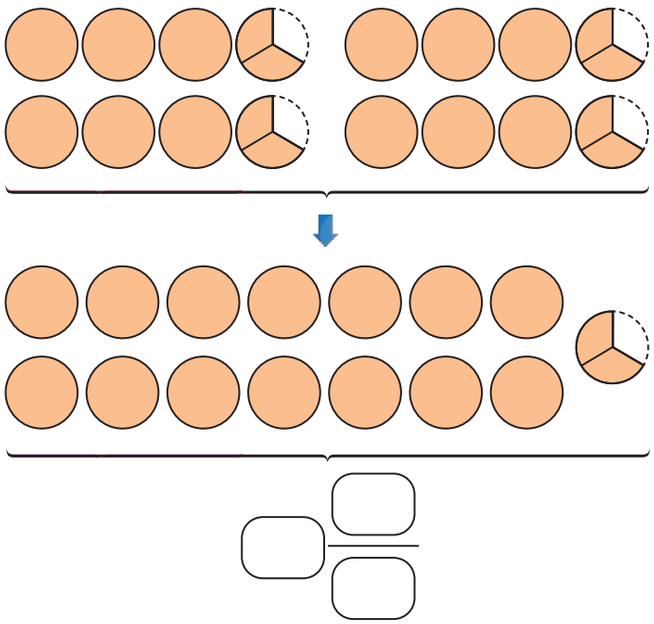
D1 12-topshiriq

1 Ko‘paytiring. Javobning to‘g‘riligini rasmdan foydalanib tekshiring.

a) $1\frac{1}{2} \times 2 =$



b) $3\frac{2}{3} \times 4 =$



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2 Ko‘paytmani javobi bilan tutashtiring.

$4 \times 2\frac{4}{5}$	$11\frac{1}{6}$
$2 \times 5\frac{7}{12}$	$11\frac{1}{2}$
$1\frac{7}{8} \times 6$	$11\frac{1}{5}$
$2\frac{3}{10} \times 5$	$11\frac{1}{4}$

3 Ko‘paytiring.

a) $3\frac{2}{5} \times 25 =$ _____	b) $16 \times 4\frac{5}{8} =$ _____
c) $3\frac{2}{3} \times 27 =$ _____	d) $22 \times 2\frac{4}{9} =$ _____

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Ism: **Sinf:** **Sana:**

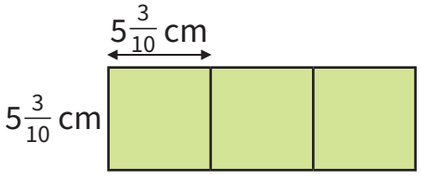
D1 13-topshiriq

Matnli masalalarni yeching.

Javobni aralash son ko‘rinishida ifodalang va to‘g‘riligini tekshiring.

1 Oyshaning vazni $38\frac{1}{4}$ kg. Otasining vazni Oyshaning vaznidan ikki marta og‘ir. Otasining vazni qancha?

2 Tomoni $5\frac{3}{10}$ cm ga teng 3 ta kvadratdan tashkil topgan quyidagi to‘g‘ri to‘rtburchakning perimetrini toping.



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3 Sanobar opa bitta ko‘rpacha tikish uchun $4\frac{2}{5}$ m mato ishlatdi. Xuddi shunday 6 ta ko‘rpachani tikish uchun necha metr mato kerak?

4 Lobar opa 25 shisha suv sotib oldi. Agar har bir idishda $1\frac{1}{2}\,\ell$ suv bo‘lsa, u jami necha litr suv sotib olgan?

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Ism: Sinf: Sana:

Qolgan qismning qismi

D1 14-topshiriq

Qolgan qismning qismini toping. Javobni oddiy kasr ko‘rinishida ifodalang.

Namuna

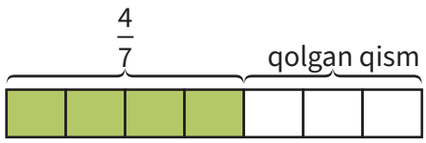
Qolgan qismning $\frac{1}{2}$ qismini toping.



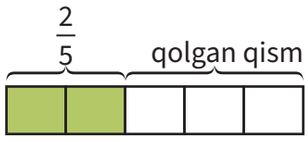
Qolgan qism = $\frac{2}{5}$

$\frac{\cancel{2}^{1}}{5} \times \frac{1}{\cancel{2}_{1}} = \frac{1}{5}$

1 Qolgan qismning $\frac{1}{3}$ qismini toping.

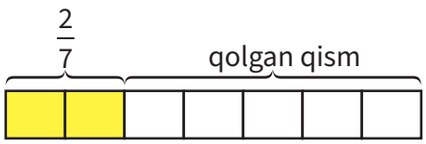


2 Qolgan qismning $\frac{2}{3}$ qismini toping.

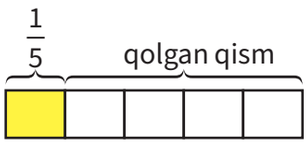


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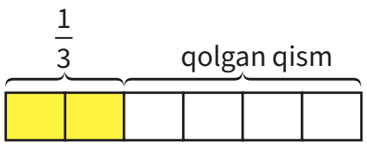
3 Qolgan qismning $\frac{3}{5}$ qismini toping.



4 Qolgan qismning $\frac{3}{4}$ qismini toping.



5 Qolgan qismning $\frac{1}{3}$ qismini toping.



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Ism: Sinf: Sana:

Matnli masalalar

D2 15-topshiriq

Matnli masalalarni yeching.

1. Maktabda jami 1500 nafar o‘quvchi bo‘lib, ularning $\frac{3}{5}$ qismini o‘g‘il bolalar tashkil etadi. Maktabdagi qizlarning $\frac{2}{16}$ qismi ko‘zoynak taqadi. Jami necha nafar qiz ko‘zoynak taqadi?

2. Latofat pulining $\frac{1}{6}$ qismiga hikoyalar to‘plami, qolgan pulining $\frac{1}{5}$ qismiga gazeta sotib oldi. U pulining qancha qismiga gazeta sotib oldi?

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3 Farida bir nechta pirog pishirdi. Piroglarning $\frac{3}{8}$ qismi olmali, qolganining $\frac{2}{5}$ qismi yong‘oqli, qolgani esa shokoladli. Shokoladli piroglar jami piroglarning qancha qismini tashkil etadi?

4 Hayvonot bog‘iga borganlarning $\frac{4}{7}$ qismi – katta yoshlilar, qolganlari esa bolalar. Bolalarning $\frac{2}{3}$ qismini qizlar tashkil etadi. Hayvonot bog‘iga borganlarning qancha qismini o‘g‘il bolalar tashkil etadi?

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5 Manzura opada 76 000 so‘m bor. U pulining $\frac{1}{4}$ qismiga sumka sotib oldi. Qolgan pulining $\frac{1}{3}$ qismiga esa bir juft oyoq kiyim sotib oldi. Manzura opa oyoq kiyim uchun qancha pul sarfladi?

6 Jasur pulining $\frac{2}{3}$ qismiga ovqat sotib oldi. Qolgan pulining $\frac{1}{4}$ qismiga esa shirinlik oldi. Agar Jamshid 18 000 so‘mga ovqat sotib olgan bo‘lsa, shirinlik uchun qancha pul sarflagan?

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7 $\frac{1}{5}$ qismi 24 ga teng bo‘lgan sonning $\frac{1}{4}$ qismini toping.

8 To‘g‘ri to‘rtburchak shaklidagi yer maydonining tomonlari $8\frac{1}{2}$ m va $6\frac{3}{5}$ m.

a) Yer maydonining perimetrini toping.

b) Yer maydonining yuzini toping.

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Ism: Sinf: Sana:

D3 16-topshiriq

1 Xadicha pulining $\frac{4}{5}$ qismiga qo‘l telefoni sotib oldi. Qolgan pulining $\frac{2}{3}$ qismiga esa sumka sotib oldi. Shundan so‘ng unda 60 000 so‘m qoldi. Xadicha qo‘l telefoni uchun sumkaga qaraganda qancha ko‘p pul sarflagan?

2 Maktabdagi o‘quvchilarning $\frac{2}{12}$ qismi chap qo‘lda, qolganlari esa o‘ng qo‘lda yozadi. Maktabdagi o‘naqaylarning soni chapaqaylarga qaraganda 272 nafarga ko‘p bo‘lsa, jami o‘quvchilar sonini toping.

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3 Latofat opa pishirgan jami somsalarning $\frac{4}{9}$ qismi ko‘katli, qolganlari esa go‘shtli. U ko‘katli somsalarning $\frac{1}{2}$ qismini qo‘shnisiga, go‘shtli somsalarning $\frac{2}{5}$ qismini esa farzandlariga berdi. Shundan so‘ng 60 ta somsa qoldi. Latofat opa jami nechta somsa pishirgan?

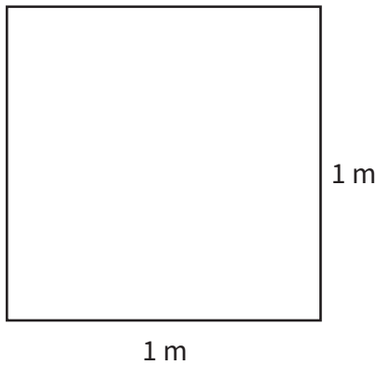
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 96 22/08/24 19:24

Ism: **Sinf:** **Sana:**

Amaliy topshiriq

To‘g‘ri kasrlarni o‘zaro ko‘paytirish orqali to‘g‘ri to‘rtburchakning yuzini toping.

Quyida tomoni 1 m bo‘lgan kvadrat tasvirlangan.



a) O‘lchamlari $\frac{2}{5}$ m va $\frac{3}{4}$ m bo‘lgan to‘g‘ri to‘rtburchak shaklidagi qismini belgilang. Hosil bo‘lgan to‘g‘ri to‘rtburchakni bo‘yang va uning yuzini toping.

b) Yuqorida bo‘yalgan to‘g‘ri to‘rtburchak kvadratning qancha qismini tashkil etadi?

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Muammoli topshiriq



Rashid 120 000 so‘mga shim, qolgan pulining $\frac{4}{7}$ qismiga esa ko‘ylak sotib oldi. Unda pulining $\frac{1}{9}$ qismi ortib qoldi. Rashidda dastlab qancha pul bo‘lgan?

- Masalani tushunib oling.
- Reja tuzing.
- Masalani yeching.
- Javobni tekshiring.

Reja

Yechish

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Tekshirish



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Matematika kundaligi



Juftlikda ishlang.
Quyidagi matnli masalalarni muhokama qiling.
Ularni yeching.

a) Idishda 6 ℓ suv bor edi. Yasmina suvning $\frac{1}{4}$ qismini ichdi.
Idishda qancha suv qoldi?



b) Idishda 6 ℓ suv bor edi. Yasmina $\frac{1}{4}$ ℓ suv ichdi.
Idishda qancha suv qoldi?

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Ism: Sinf: Sana:

I TAKRORLASH

A bo‘lim

1 Sonlarni raqamlar bilan yozing.

a) To‘rt yuz oltmish yetti ming uch yuz to‘qqiz _____

b) Ikki million sakson ming besh yuz yetmish uch _____

2 Sonlarni so‘zlar bilan yozing.

a) 870 468

_____

_____

b) 5 006 104

_____

_____

3 Har bir sonda berilgan 9 raqami nechani anglatadi?

a) 169 342 _____

b) 9 253 168 _____

c) 3 946 315 _____

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4 Bo‘sh joylarni to‘ldiring.

a) 478 236 = 478 000 + _____

b) 2 682 592 = 2 000 000 + _____ + 592

c) 6 000 000 + 1000 + 1 = _____

d) 5 000 000 + 186 000 + 4 = _____

5 Ko‘paytiring.

		× 10	× 100	× 1000
a)	64			
b)	512			
c)	4060			

6 Bo‘ling.

		÷ 10	÷ 100	÷ 1000
a)	837 000			
b)	9 431 000			
c)	6 600 000			

7 Bo‘sh joylarni to‘ldiring.

a) 85 200 ÷ _____ = 852

b) 27 × _____ = 27 000

c) 435 × _____ = 4350

d) 30 000 ÷ _____ = 30

e) _____ × 100 = 50 600

f) _____ ÷ 100 = 1280

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8 Bo‘sh joylarni to‘ldiring.

a) 134 × 50 = _____

b) 6300 ÷ 70 = _____

c) 24 000 ÷ 800 = _____

d) 31 × 600 = _____

e) 86 × 6000 = _____

f) 256 000 ÷ 8000 = _____

9 Quyidagi ifodalarning qiymatini toping.

a) 30 + 30 ÷ 5	b) 42 × 10 – 20 ÷ 4
c) 10 + 72 ÷ 8 × 10	d) (60 – 15) ÷ 5
e) 80 × (25 – 15) ÷ 100	f) 270 – (30 × 3 + 70) ÷ 10

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10 Bo‘lishni bajaring.

a) $3 \div 7$	b) $7 \div 9$
c) $5 \div 4$	d) $10 \div 6$

11 Oddiy kasrlarni o‘nli kasrlarga aylantiring va natijani o‘ndan birlar va yuzdan birlar xonasigacha yaxlitlang.

a) $\frac{79}{9} =$ _____ (o‘ndan birlar xonasigacha yaxlitlangan) $\frac{79}{9} =$ _____ (yuzdan birlar xonasigacha yaxlitlangan)	Yechish
b) $\frac{1}{8} =$ _____ (o‘ndan birlar xonasigacha yaxlitlangan) $\frac{1}{8} =$ _____ (yuzdan birlar xonasigacha yaxlitlangan)	

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12 Ko‘paytiring.

a) $\frac{4}{5} \times 35$	b) $\frac{8}{9} \times 81$
c) $\frac{2}{3} \times 20$	d) $\frac{4}{7} \times 45$
e) $\frac{5}{6} \times 34$	f) $\frac{7}{8} \times 28$

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13 Ko‘paytiring.

a) $\frac{2}{3} \times \frac{6}{7}$	b) $\frac{9}{10} \times \frac{5}{3}$



14 Ko‘paytiring.

a) $\frac{8}{3} \times \frac{5}{2}$	b) $\frac{9}{7} \times \frac{10}{9}$
c) $\frac{3}{2} \times \frac{20}{7}$	d) $2\frac{5}{8} \times 3$

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B bo‘lim

Matnli masalalarni yeching va javobni tushuntiring.

1 Ismoil akaning oylik daromadi 3 480 000 so‘mni tashkil etadi. U har oyda 1 050 000 so‘m jamg‘arib, qolganini xarajatlari uchun sarflaydi. Ismoil aka uch oyda qancha xarajat qiladi?

2 Jasurning sumkasi massasi $3\frac{1}{5}$ kg. Sohibaning sumkasi massasi esa $2\frac{3}{4}$ kg. Ikkala sumkaning umumiy massasi necha kilogramm? Javobingizni aralash son ko‘rinishida ifodalang.

3 Ravshan $6\frac{5}{8}$ km, Po‘lat $5\frac{4}{5}$ km masofaga yugurdi. Ravshan Po‘latga qaraganda necha kilometr ko‘p yugurdi? Javobingizni oddiy kasr ko‘rinishida ifodalang.

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4 532 nafar o‘g‘il va 668 nafar qiz bolaning har biri xayriya uchun 2 000 so‘mdan pul berdi. Yig‘ilgan pulning hammasi 3 ta oilaga teng taqsimlandi. Har bir oilaga necha so‘mdan pul berilgan?

5 1-do‘konda 8 tasi 7000 so‘m bo‘lgan 400 ta olma, 2-do‘konda esa 5 tasi 6000 so‘m bo‘lgan 320 ta olma sotildi.

a) Har bir do‘konga qancha pul tushum bo‘ldi?

b) Qaysi do‘konga ko‘proq pul tushum bo‘lgan? Tushum qancha ko‘p bo‘lgan?

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6 Ishchi 1-kuni 2-kunga qaraganda $1\frac{3}{4}$ soat kamroq ishladi.
Agar u 1-kuni $4\frac{1}{2}$ soat ishlagan bo‘lsa, 2-kuni necha soat ishlagan? Javobni aralash son ko‘rinishida ifodalang.

7 Lobar opa 35 ℓ suvning $\frac{3}{7}$ qismini idishlarni yuvishga, qolgan suvning $\frac{1}{4}$ qismini gullarni sug‘orishga ishlatdi. Qancha suv ortib qoldi?

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8 Jahongir 15 yoshda. Otasi undan 4 marta katta. Necha yildan so‘ng ularning birgalikdagi yoshi 115 ga teng bo‘ladi?

9 Ravshan puliga 40 dona bo‘g‘irsoq sotib olsa, unda 5000 so‘m ortib qoladi. Agar 50 dona bo‘g‘irsoq sotib olmoqchi bo‘lsa, unga 15 000 so‘m yetmaydi. Bitta bo‘g‘irsoqning narxi qancha?

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10 Temur aka noklarni har bir paketga 5 tadan qadoqlasa, 4 ta nok yetmay qoladi. Agar 4 tadan qadoqlasa, 3 ta nok ortib qoladi. Temur akada nechta nok bor?

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11 Kibersportchi o‘quvchilarning $\frac{3}{4}$ qismi – o‘g‘il bolalar. Kibersportchi qizlarning $\frac{4}{5}$ qismi esa 6-sinfda o‘qiydi.

a) Kibersportchi 6-sinf qizlari jami kibersportchi o‘quvchilarning qancha qismini tashkil etadi?
b) Agar 6-sinfda o‘qimaydigan kibersportchi qizlarning soni 6 nafar bo‘lsa, jami kibersportchi o‘quvchilar nechta?

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12 Samandar aka 154 000 so‘mga kiyim, qolgan pulining $\frac{3}{8}$ qismiga etik sotib oldi. Shundan so‘ng Samandar akada jami pulining $\frac{1}{3}$ qismi qoldi.

a) Samandar aka pulining qancha qismiga kiyim sotib oldi?

b) Unda dastlab qancha pul bor edi?

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13 Sitorada jami 135 ta tugma bor edi. Tugmalarning $\frac{5}{9}$ qismi qizil rangda, qolganlari esa ko‘k rangda. U 64 ta qizil tugmani ishlatib, yana bir nechta ko‘k tugma sotib oldi. Natijada unda 84 ta tugma bo‘ldi. Sitora nechta ko‘k tugma sotib olgan?

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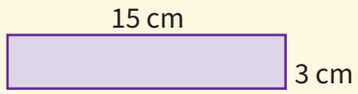
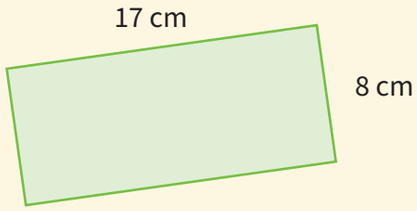
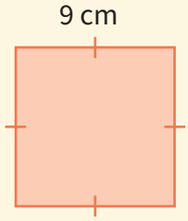
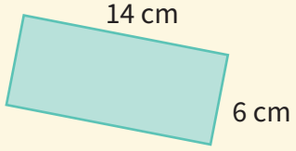
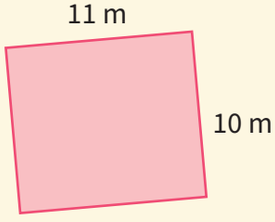
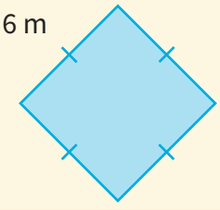
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4 Uchburchakning yuzi

Eslang 

Kvadrat va to‘g‘ri to‘rtburchaklar

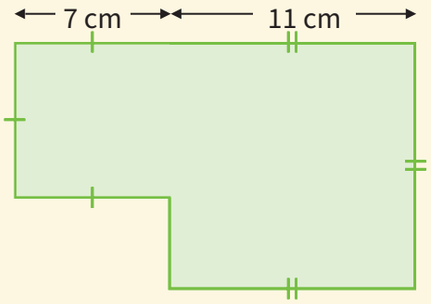
1 Berilgan shaklning yuzini toping.

a) 	b) 
To‘g‘ri to‘rtburchak yuzi =	To‘g‘ri to‘rtburchak yuzi =
c) 	d) 
Kvadrat yuzi =	To‘g‘ri to‘rtburchak yuzi =
e) 	f) 
To‘g‘ri to‘rtburchak yuzi =	Kvadrat yuzi =

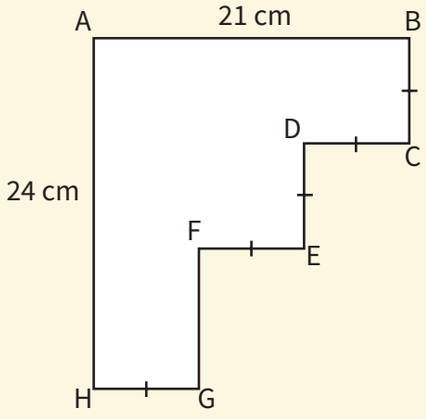
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2 Quyida berilgan shakllarning yuzini toping (barcha kesmalar to‘g‘ri burchak ostida tutashadi).

a)



b)



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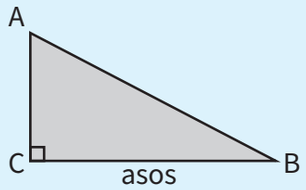
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Uchburchakning asosi va balandligi

D1 1-topshiriq

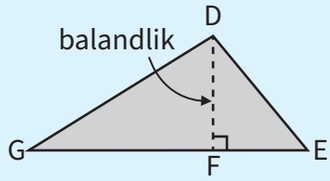
1 Bo‘sh o‘rinlarni to‘ldiring. Har bir bo‘yalgan uchburchakning asosi va balandligini aniqlang.

a)



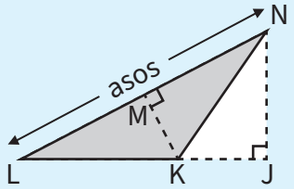
Balandlik _____

b)



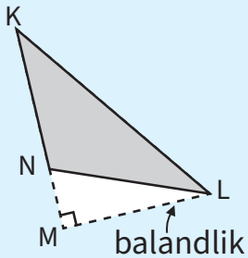
Asos _____

c)



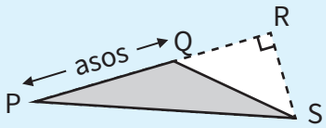
Balandlik _____

d)



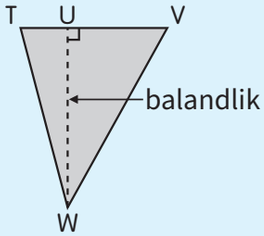
Asos _____

e)



Balandlik _____

f)

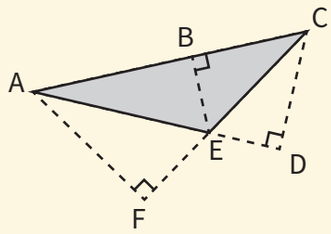


Asos _____

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2 Bo‘sh o‘rinlarni to‘ldiring.

a) ACE uchburchakda har bir berilgan asosga tushirilgan balandlikni aniqlang.

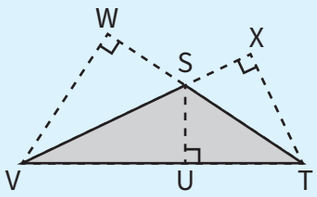


Agar AC asos bo‘lsa, balandlik – _____.

Agar CE asos bo‘lsa, balandlik – _____.

Agar AE asos bo‘lsa, balandlik – _____.

b) STV uchburchakda har bir berilgan balandlikka mos asosni aniqlang.



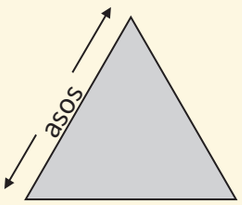
Agar SU balandlik bo‘lsa, asos – _____.

Agar TX balandlik bo‘lsa, asos – _____.

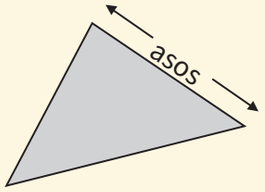
Agar VW balandlik bo‘lsa, asos – _____.

3 Har bir uchburchakning berilgan asosi uchun mos balandligini to‘g‘ri burchakli chizg‘ichdan foydalanib chizing.

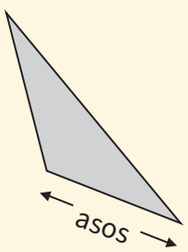
a)



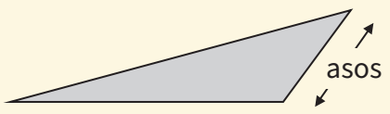
b)



c)



d)



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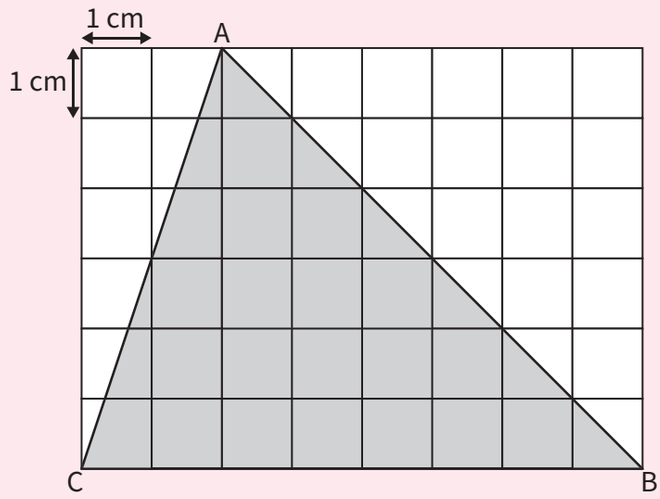
Ism: Sinf: Sana:

Uchburchakning yuzini topish

D1 2-topshiriq

1 Bo‘yalgan uchburchak yuzini toping.

Namuna

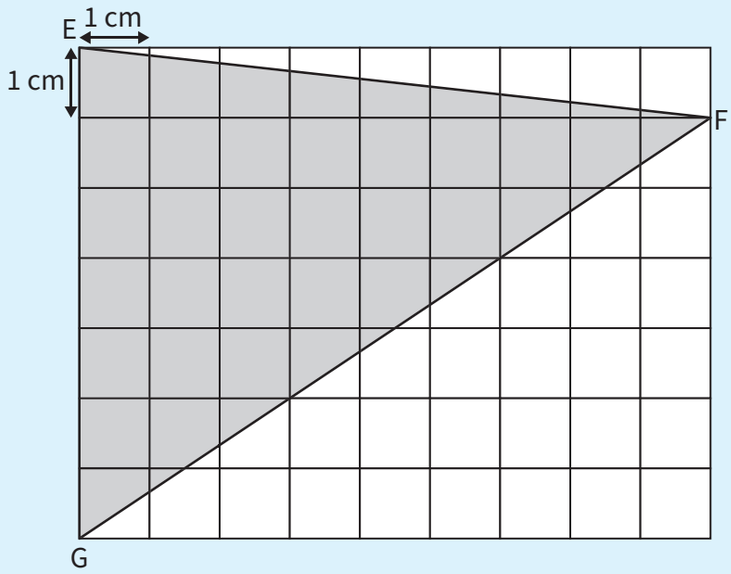


ABC uchburchak yuzi

$= \frac{1}{2} \times 8 \times 6$

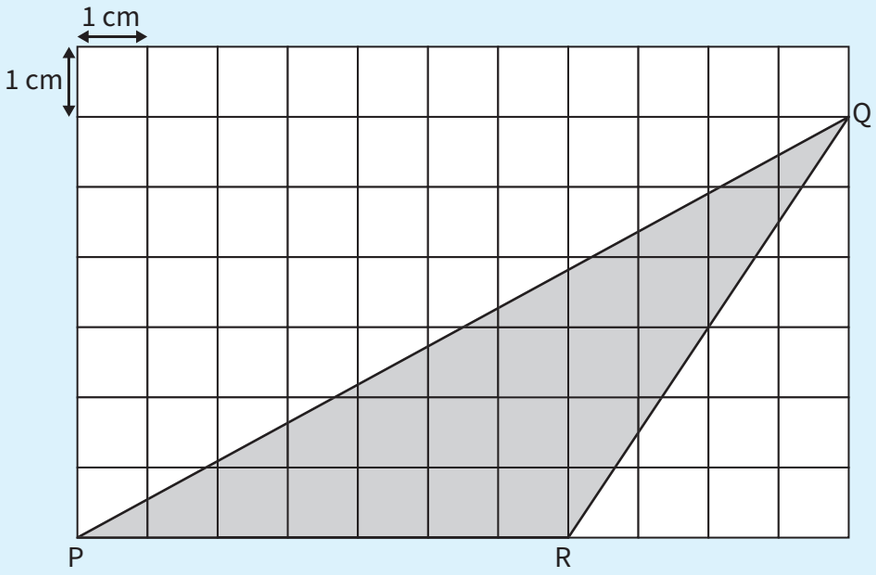
$= 24\ cm^2$

a)

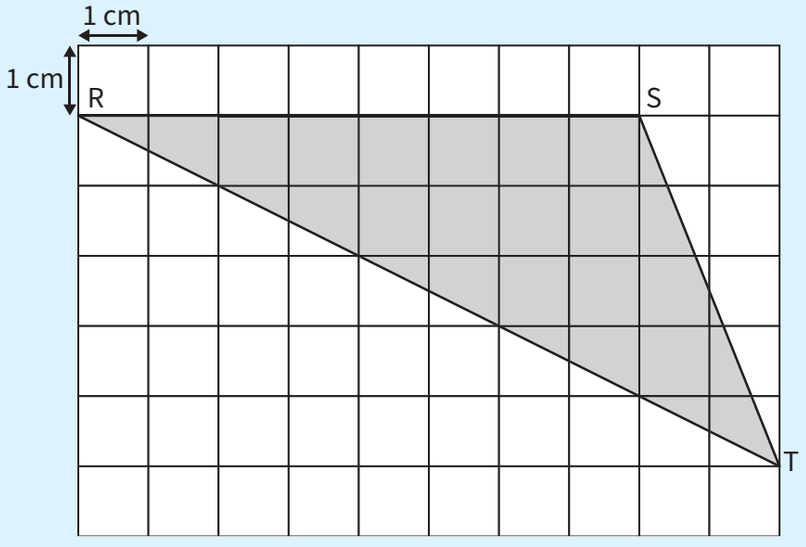


35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 119 22/08/24 19:24

b)

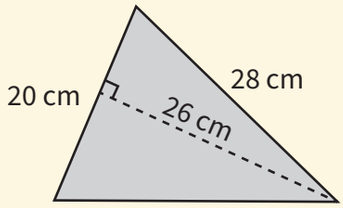
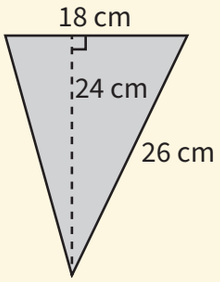
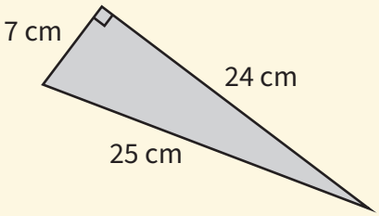
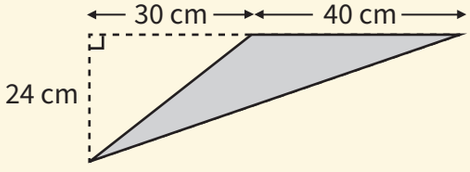


c)

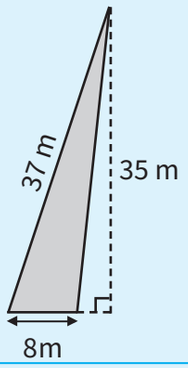
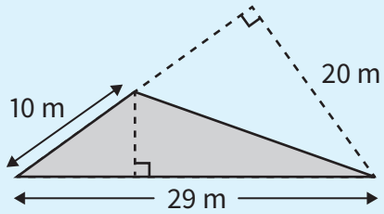
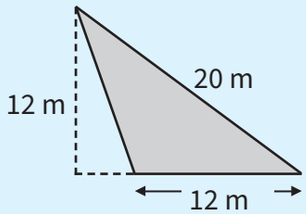
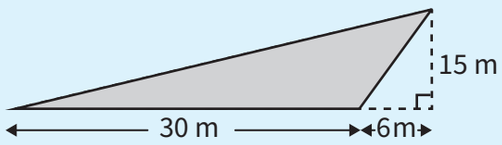


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2 Bo‘yalgan uchburchak yuzini toping.

a)  	Uchburchak yuzi =
b)  	Uchburchak yuzi =
c)  	Uchburchak yuzi =
d)  	Uchburchak yuzi =

35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 121 22/08/24 19:24

e)  	Uchburchak yuzi =
f)  	Uchburchak yuzi =
g)  	Uchburchak yuzi =
h)  	Uchburchak yuzi =

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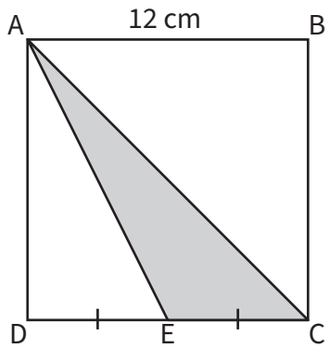
Ism: Sinf: Sana:

To‘g‘ri to‘rtburchak va uchburchaklardan tuzilgan murakkab shakllarning yuzi

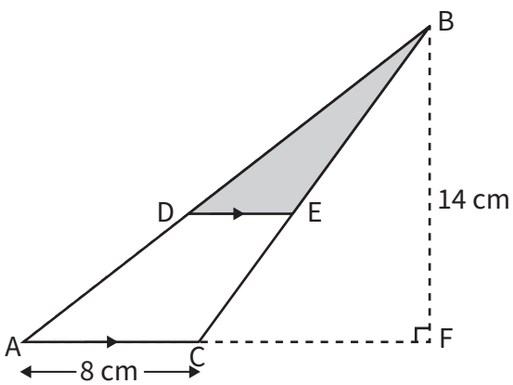
D2 3-topshiriq

1 Har bir shakl ichidagi bo‘yalgan uchburchak yuzini toping.

a) ABCD kvadratning tomoni 12 cm va DE = EC.

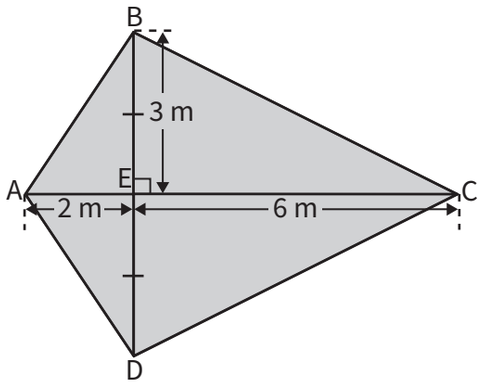


b) ABC uchburchak yuzi DBE uchburchak yuzidan 2 marta katta.



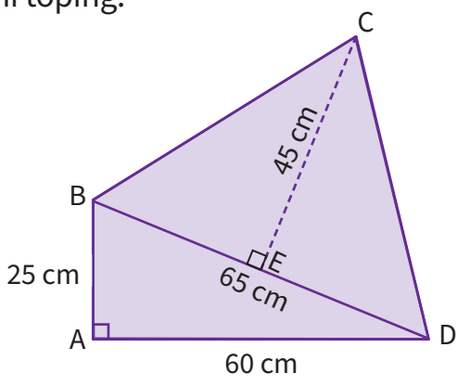
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 123 22/08/24 19:24

2 ABCD shaklda AC va BD o‘zaro perpendikulyar. AE = 2 m, CE = 6 m va BE = DE = 3 m. Bo‘yalgan shakl yuzini toping.



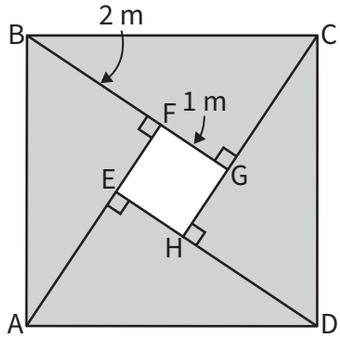
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 124 22/08/24 19:24

3 ABCD shakldan ikkita turli xil uchburchak hosil qilingan. ABD – to‘g‘ri burchakli uchburchak. AB = 25 cm, AD = 60 cm, BD = 65 cm va CE = 45 cm. ABCD shaklning yuzini toping.



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4 Quyidagi shakl 4 ta bir xil to‘g‘ri burchakli uchburchak va kvadratdan iborat. AE = BF = CG = DH = 2 m va EF = FG = GH = EH = 1 m. Rasmdagi bo‘yalgan sohaning yuzini toping.



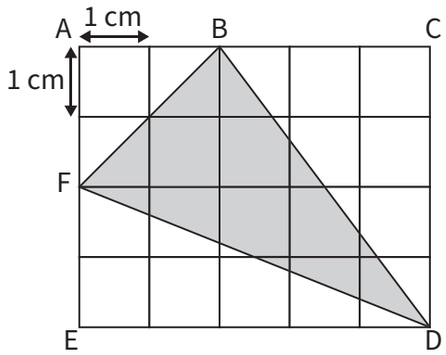
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 126 22/08/24 19:24

Ism: **Sinf:** **Sana:**

D2 4-topshiriq

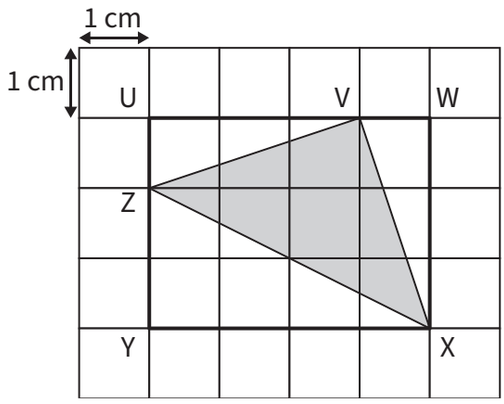
1 Bo‘yalgan uchburchak yuzini toping.

a)



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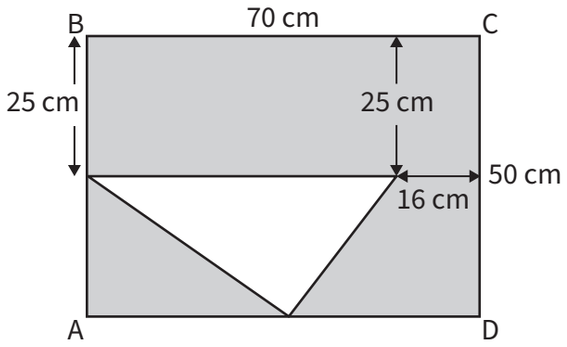
b)



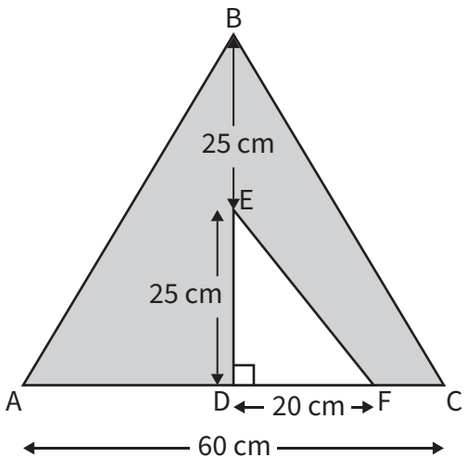
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 128 22/08/24 19:24

2 Shaklning bo‘yalgan qismi yuzini toping.

a) ABCD – to‘g‘ri to‘rtburchak.

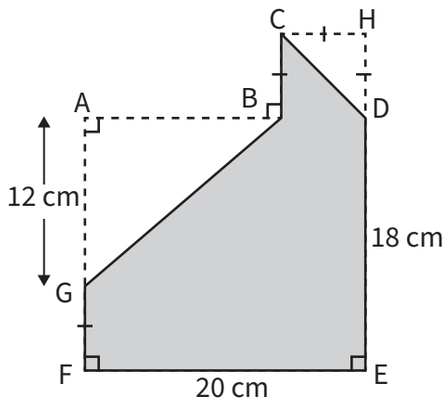


b) ABC – uchburchak va DEF – to‘g‘ri burchakli uchburchak.



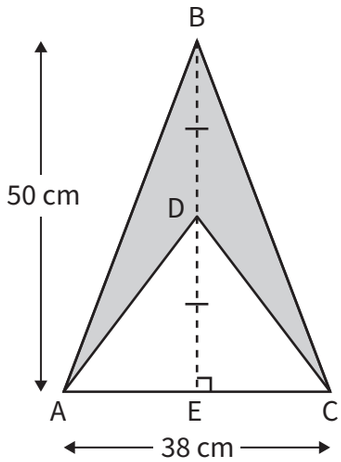
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 129 22/08/24 19:24

3 Berilgan shaklda BC = CH = HD = GF, AG = 12 cm va DE = 18 cm. Bo‘yalgan shakl yuzini toping.



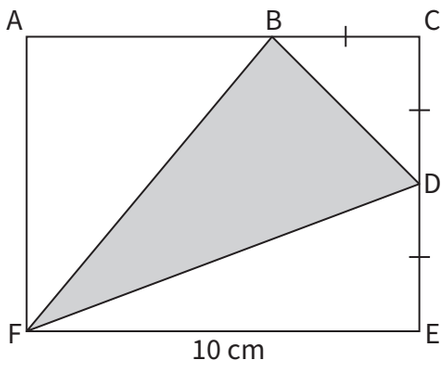
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 130 22/08/24 19:24

4 BD = DE bo‘lsa, quyida berilgan shaklning bo‘yalgan qismi yuzini toping.



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5 Rasmdagi ACEF to‘g‘ri to‘rtburchakda BC = CD = DE. To‘g‘ri to‘rtburchakning yuzi 80 cm^2 ga teng. BDF uchburchak yuzini toping.



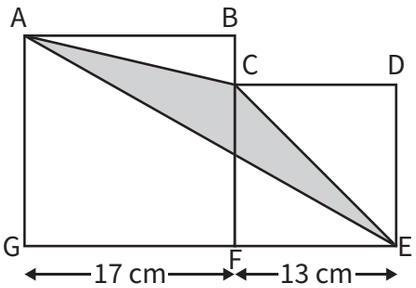
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 132 22/08/24 19:24

Ism: Sinf: Sana:

D3 5-topshiriq

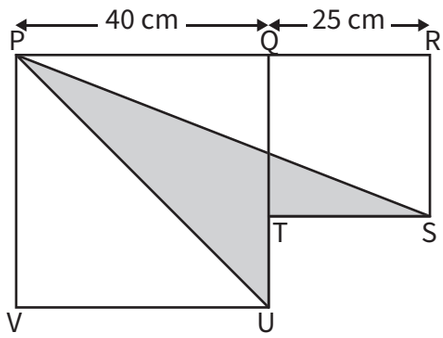
Rasmda tomonlari turlicha bo‘lgan ikkita kvadrat birlashtirilgan.

1 ACE uchburchak yuzini toping.



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2 Bo‘yalgan soha yuzini toping.



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Ism: **Sinf:** **Sana:**

Amaliy topshiriq



To‘g‘ri burchakli uchburchak yasang va uning yuzini toping.

Guruhlarga bo‘lining.

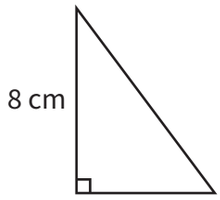
217-betdagi shakllardan bir nechtasini qirqib oling va to‘g‘ri burchakli uchburchak yasang.

To‘g‘ri burchakli uchburchakning $\frac{1}{3}$ qismini qizil va $\frac{2}{3}$ qismini pushti rangga bo‘yang. Hosil bo‘lgan uchburchak yuzini toping.

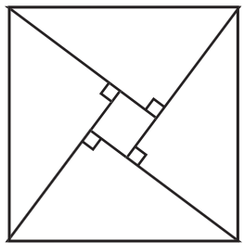
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 135 22/08/24 19:24

Muammoli topshiriq

1-rasmda asosi 6 cm va balandligi 8 cm bo‘lgan to‘g‘ri burchakli uchburchak berilgan. Ushbu to‘g‘ri burchakli uchburchakdan to‘rttasi 2-rasmda ko‘rsatilganidek qilib qog‘ozga yopishtirilgan. 2-rasmdagi katta kvadratning tomonini toping.



1-rasm



2-rasm

- Masalani tushundingizmi?
- Reja tuzing.
- Masalani yeching.
- Javobni tekshiring.

Reja

Yechish

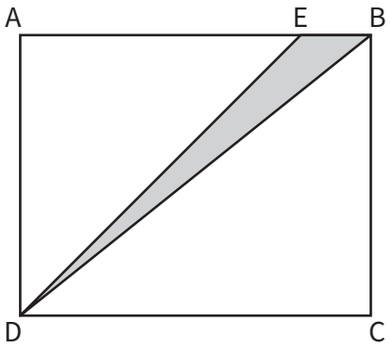
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 136 22/08/24 19:24

Tekshirish

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Matematika kundaligi

Rasmdagi ABCD – to‘g‘ri to‘rtburchak va EBD – uchburchak.



Bo‘yalgan uchburchak yuzini ikki xil usulda toping.

1-usul

2-usul

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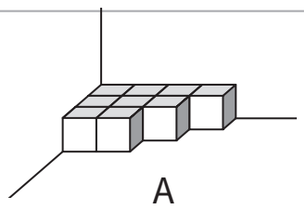
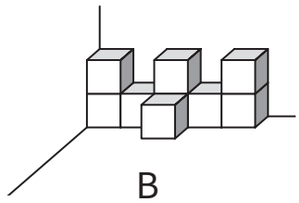
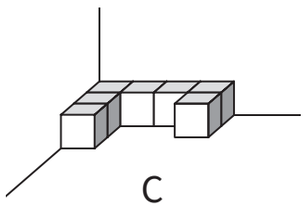
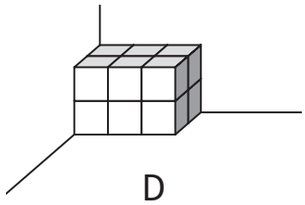
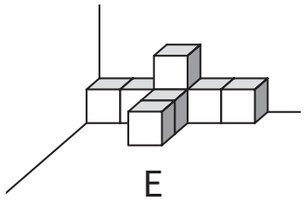
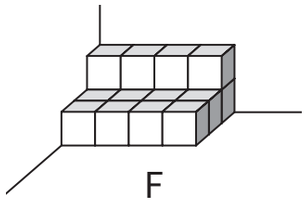
Ism: Sinf: Sana:

5 Hajm

Fazoviy jismlarning hajmi

D1 1-topshiriq

1 Har bir jismni yasashda nechta birlik kub ishlatilgan? Jismlarning hajmi qancha?

a)  A Birlik kublar soni = _____ Hajmi = _____ kub birlik	b)  B Birlik kublar soni = _____ Hajmi = _____ kub birlik
c)  C Birlik kublar soni = _____ Hajmi = _____ kub birlik	d)  D Birlik kublar soni = _____ Hajmi = _____ kub birlik
e)  E Birlik kublar soni = _____ Hajmi = _____ kub birlik	f)  F Birlik kublar soni = _____ Hajmi = _____ kub birlik

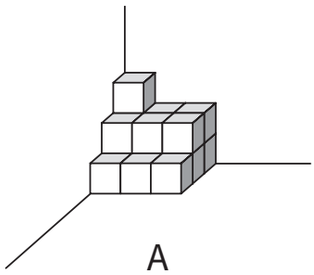
Qaysi jism eng kichik hajmga ega? _____

Qaysi jism eng katta hajmga ega? _____

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2 Har bir jismni yasashda nechta birlik kub ishlatilgan? Jismlarning hajmi qancha?

a)

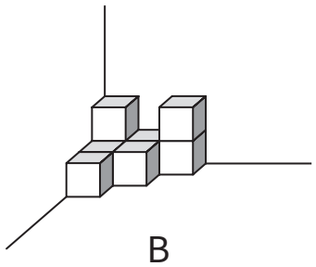


A

Birlik kublar soni = _____

Hajmi = _____ kub birlik

b)

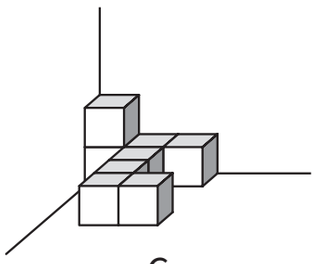


B

Birlik kublar soni = _____

Hajmi = _____ kub birlik

c)

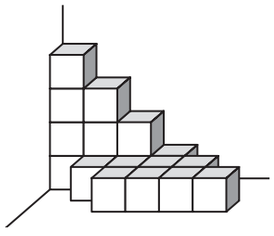


C

Birlik kublar soni = _____

Hajmi = _____ kub birlik

d)

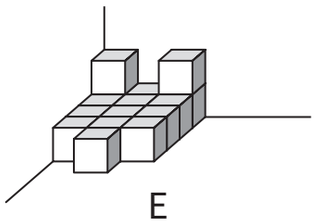


D

Birlik kublar soni = _____

Hajmi = _____ kub birlik

e)

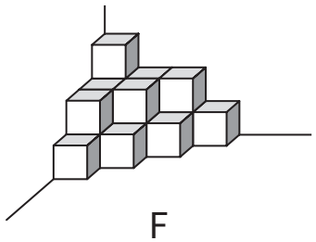


E

Birlik kublar soni = _____

Hajmi = _____ kub birlik

f)



F

Birlik kublar soni = _____

Hajmi = _____ kub birlik

Qaysi jismlarning hajmi teng? _____

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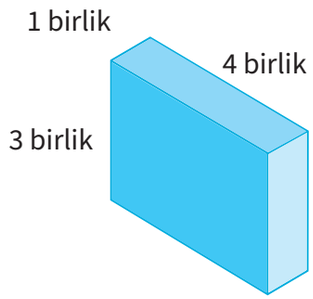
Ism: Sinf: Sana:

Uch o‘lchamli panjarada fazoviy jismlarni chizish

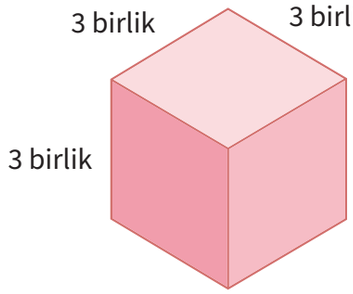
D1 2-topshiriq

Berilgan uch o‘lchamli panjarada fazoviy jismlarnini chizing.

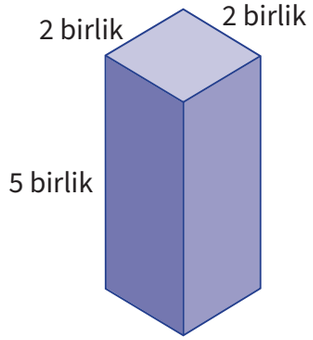
a)



b)

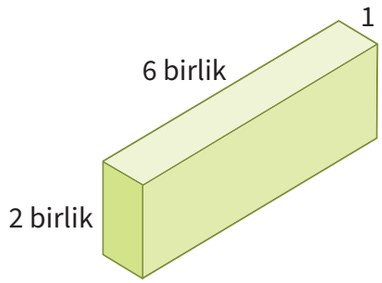


c)

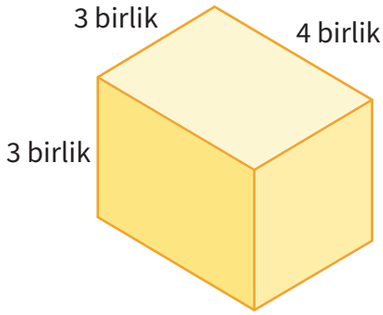


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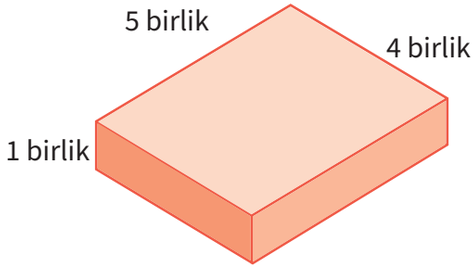
d)



e)



f)



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Ism: Sinf: Sana:

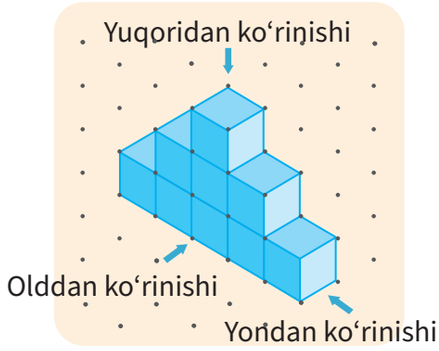
Kvadratli panjarada fazoviy jismlarning turli ko‘rinishlarini chizish

D1

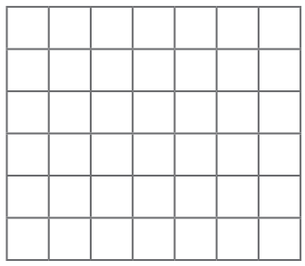
3-topshiriq

Fazoviy jismlarning yuqoridan, yondan va olddan ko‘rinishini kvadrat panjarada chizing.

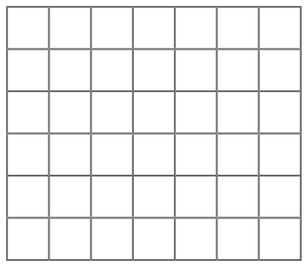
a)



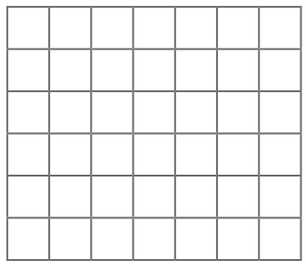
Yuqoridan ko‘rinishi



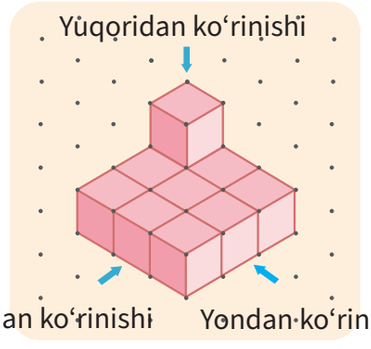
Olddan ko‘rinishi



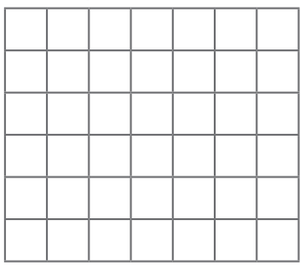
Yondan ko‘rinishi



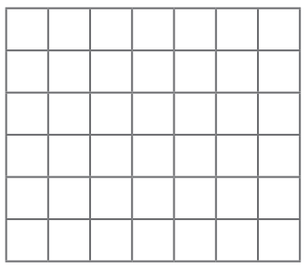
b)



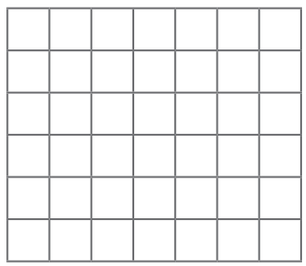
Yuqoridan ko‘rinishi



Olddan ko‘rinishi

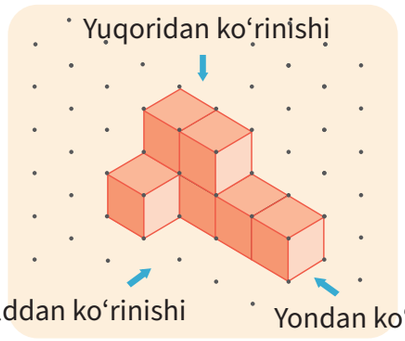


Yondan ko‘rinishi



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c)

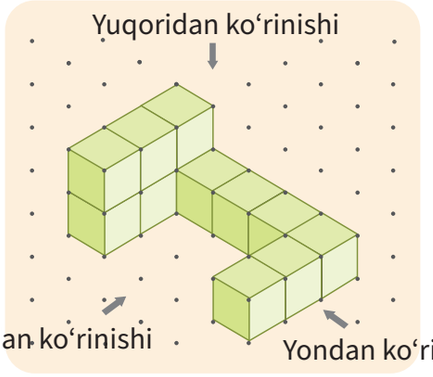


Yuqoridan ko‘rinishi

Olddan ko‘rinishi

Yondan ko‘rinishi

d)



Yuqoridan ko‘rinishi

Olddan ko‘rinishi

Yondan ko‘rinishi

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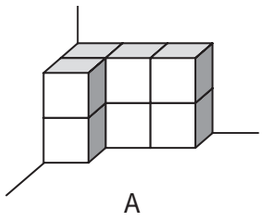
Ism: Sinf: Sana:

Hajmni santimetr kub va metr kubda o‘lchash

D1 4-topshiriq

1 Fazoviy jismlar qirrasi 1 cm bo‘lgan kublardan yasalgan.
Har bir jism nechta shunday kublardan yasalganini va ularning hajmini aniqlang.

a)

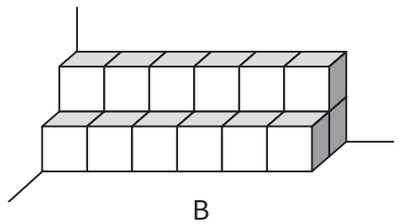


A

Qirrasi 1 cm kublar soni = _____

Hajmi = _____ cm^3

b)

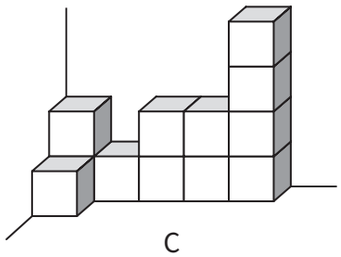


B

Qirrasi 1 cm kublar soni = _____

Hajmi = _____ cm^3

c)

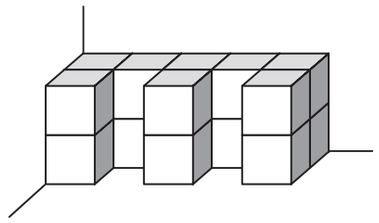


C

Qirrasi 1 cm kublar soni = _____

Hajmi = _____ cm^3

d)

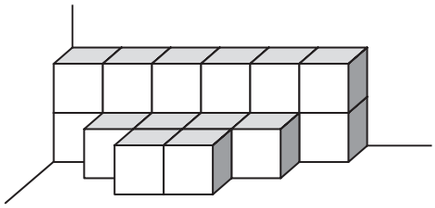


D

Qirrasi 1 cm kublar soni = _____

Hajmi = _____ cm^3

e)

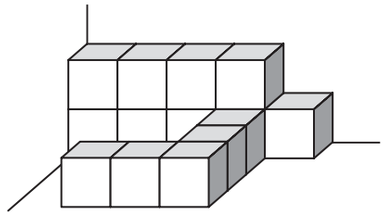


E

Qirrasi 1 cm kublar soni = _____

Hajmi = _____ cm^3

f)



F

Qirrasi 1 cm kublar soni = _____

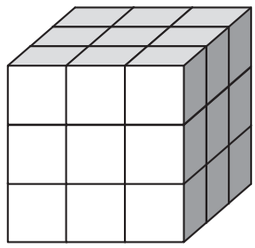
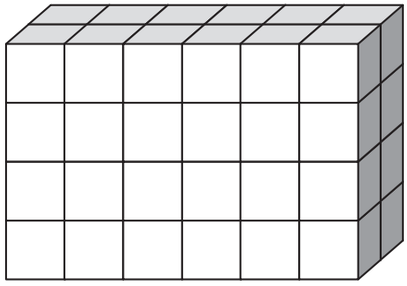
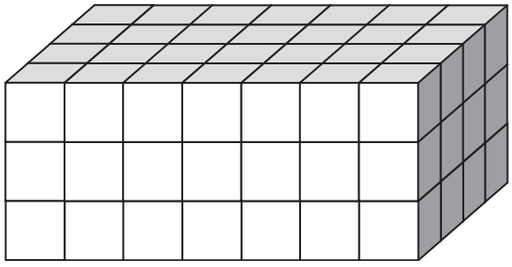
Hajmi = _____ cm^3

Qaysi jism eng kichik hajmga ega? _____

Qaysi jismlar hajmi teng? _____

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2 Qirrasi 1 m bo‘lgan kublardan yasalgan fazoviy jismlarning hajmini toping.

a) 	Kubning hajmi = _____ m^3
b) 	Kuboidning hajmi = ____ m^3
c) 	Kuboidning hajmi = _____ m^3

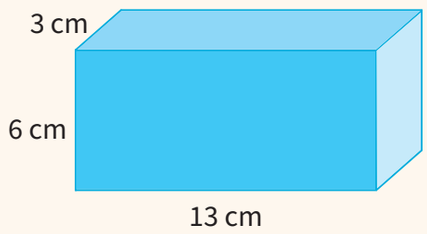
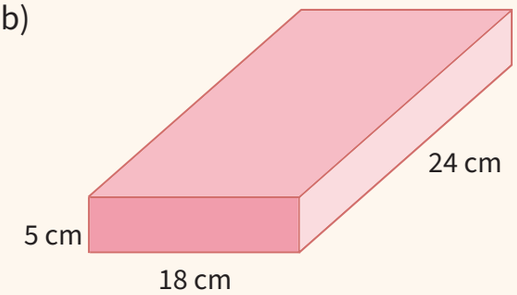
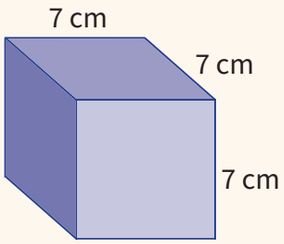
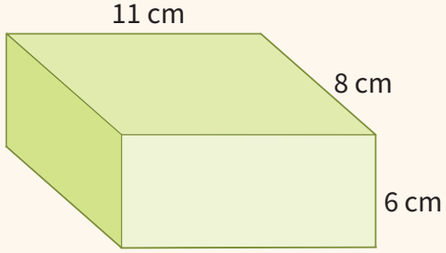
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Ism: Sinf: Sana:

Kuboid va kubning hajmini topish

D1 5-topshiriq

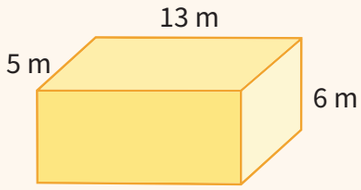
1 Fazoviy jismlarning hajmini toping.

Fazoviy jismlar	Hajmi
a) 	
b) 	
c) 	
d) 	

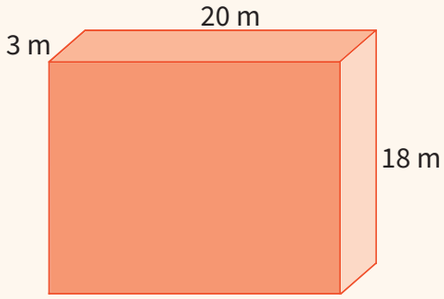
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2 Kuboidlarning hajmini toping.

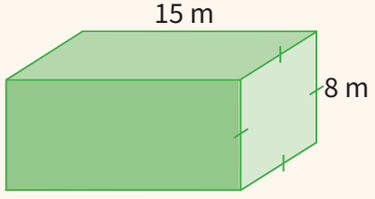
a)



b)



c)



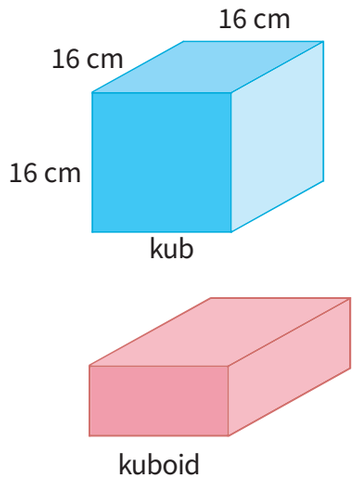
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 148 22/08/24 19:24

Ism: Sinf: Sana:

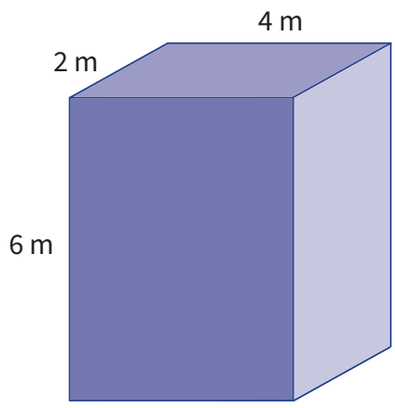
D2 6-topshiriq

Matnli masalalarni yeching.

1 Qirrasi 16 cm li kubning hajmi kuboidning hajmidan ikki marta katta. Kuboidning hajmini toping.

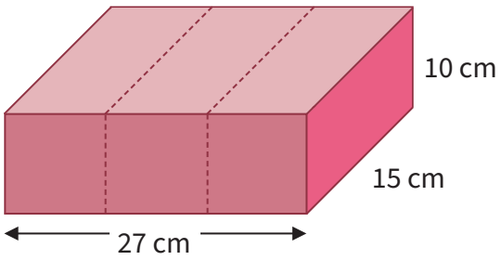


2 O‘lchamlari 4 m, 2 m va 6 m bo‘lgan kuboidning hajmi 6 ta bir xil kub hajmi yig‘indisiga teng. Bitta kubning hajmini toping.

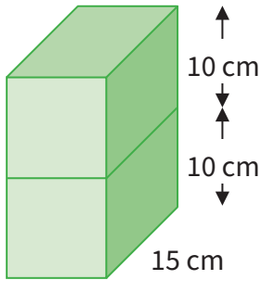


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3 1-rasmda o‘lchamlari 27 cm, 15 cm va 10 cm bo‘lgan kuboid tasvirlangan. U uchta teng kuboid shaklidagi kichkina bloklarga bo‘lindi. Bloklardan ikkitasi 2-rasmda ko‘rsatilganidek yangi kuboid hosil qilish uchun ustma-ust qo‘yildi. 2-rasmdagi kuboidning hajmini toping.

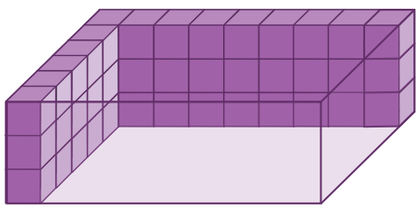


1-rasm



2-rasm

4 Kuboid shaklidagi idish qirrasi 1 cm bo‘lgan kublar bilan rasmda ko‘rsatilganidek qisman to‘ldirilgan. Idishning kublar bilan to‘ldirilmagan qismining hajmi qancha?



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Ism: Sinf: Sana:

Suyuqlik hajmini santimetr kub va metr kubda o‘lchash

D1 7-topshiriq

1 Quyidagilarni cm^3 larda ifodalang.

a) 6 ℓ = _____ cm^3

b) 250 ml = _____ cm^3

c) 3 ℓ 248 ml = _____ cm^3

d) 4 ℓ 19 ml = _____ cm^3

e) 8 ℓ 7 ml = _____ cm^3

f) 10 ℓ = _____ cm^3

2 Quyidagilarni litr va millilitrlarda ifodalang.

a) 3000 cm^3 = _____ ℓ

b) 450 cm^3 = _____ ℓ

c) 25 cm^3 = _____ ml

d) 789 cm^3 = _____ ml

3 Quyidagilarni litr va millilitrlarda ifodalang.

a) 3744 cm^3 = _____ ℓ _____ ml

b) 5080 cm^3 = _____ ℓ _____ ml

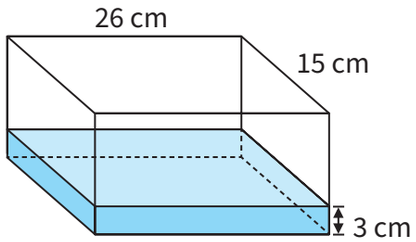
c) 1003 cm^3 = _____ ℓ _____ ml

d) 2500 cm^3 = _____ ℓ _____ ml

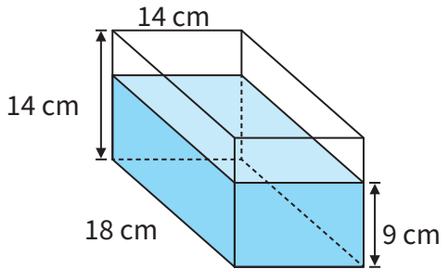
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 151 22/08/24 19:24

4 Kuboid shaklidagi idishlar suv bilan qisman to‘ldirilgan. Berilgan ma’lumotlardan foydalanib suvning hajmini toping.
Suvning hajmini litr va millilitrlarda ifodalang.

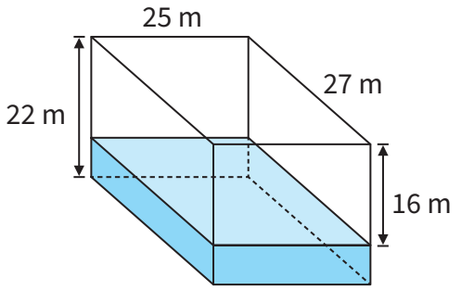
a)



b)



5 O‘lchamlari 27 m, 25 m va 22 m bo‘lgan kuboid shaklidagi idish suv bilan qisman to‘ldirilgan. Berilgan ma’lumotlardan foydalanib suvning hajmini toping.



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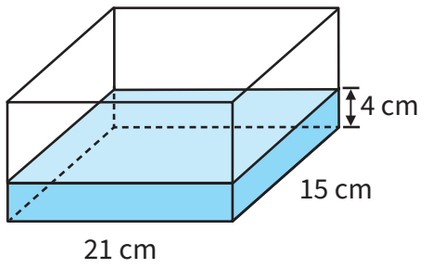
Ism: Sinf: Sana:

Matnli masalalar

D2 8-topshiriq

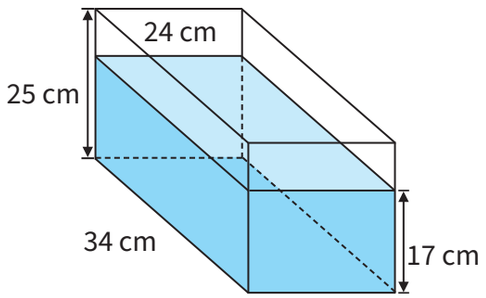
Matnli masalalarni yeching.

1 Kuboid shaklidagi idishning asosidagi qirralari 21 cm va 15 cm. Unga 4 cm balandlikda suv quyilgan. Suvning hajmini toping. Hajmni litr va millilitrlarda ifodalang.



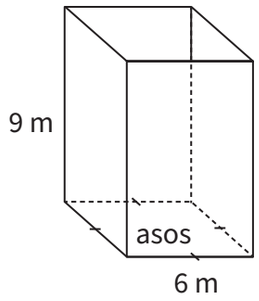
2 Kuboid shaklidagi idishning o‘lchamlari 34 cm, 25 cm va 24 cm. Undagi suvning sathi 17 cm balandlikda.

a) Idishdagi suvning hajmini toping.
b) Idishni to‘ldirish uchun yana qancha suv quyish kerak?

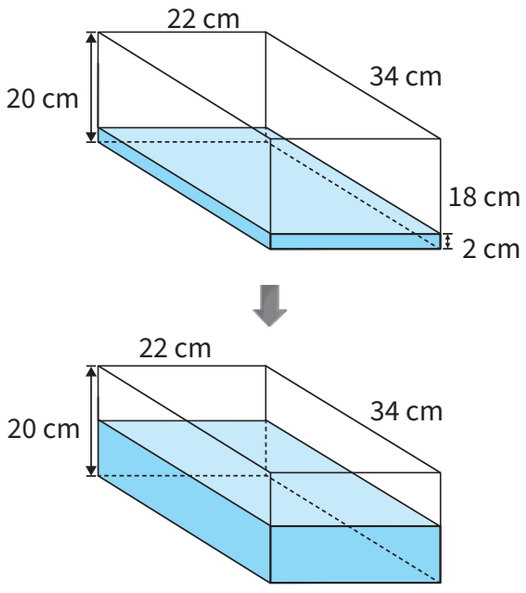


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3 Kuboid shaklidagi idishning asos tomoni 6 m bo‘lgan kvadratdan iborat. Idishning balandligi 9 m. Idishning sig‘imi qancha? Javobingizni metr kublarda ifodalang.



4 O‘lchamlari 34 cm, 22 cm va 20 cm bo‘lgan kuboid shaklidagi idishda suv bor. Idishdagi suv sathi balandligi 2 cm ga teng. Said idishga yana biroz suv quydi, natijada idishning yarmi suv bilan to‘ldi. Said idishga quygan suvning hajmini aniqlang.



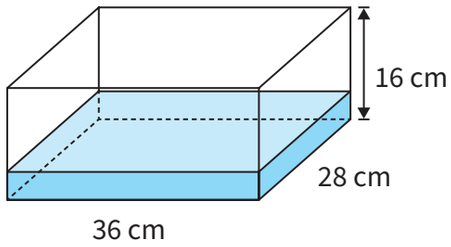
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 154 22/08/24 19:24

Ism: **Sinf:** **Sana:**

D2 9-topshiriq

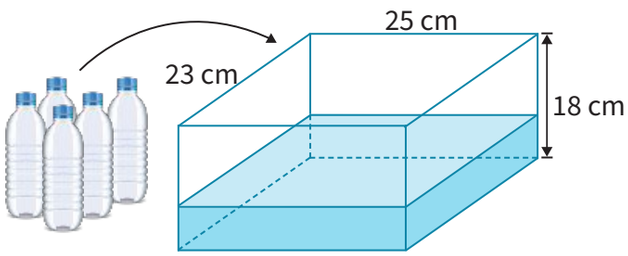
Matnli masalalarni yeching.

1 O‘lchamlari 36 cm, 28 cm va 16 cm bo‘lgan kuboid shaklidagi idishning $\frac{1}{4}$ qismi suv bilan to‘ldirilgan. Idishni to‘ldirish uchun unga yana qancha suv quyish kerak? Javobingizni litr va millilitrlarda ifodalang.



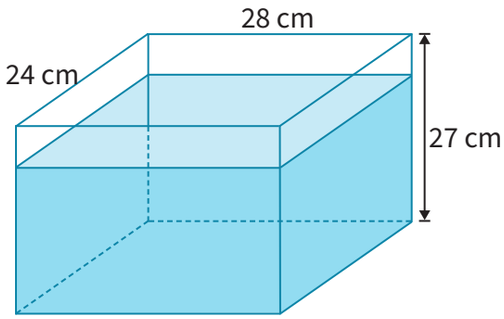
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 155 22/08/24 19:24

2 5 ta bir xil plastik idishdagi suv bo‘yi 25 cm, eni 23 cm va balandligi 18 cm bo‘lgan kuboid shaklidagi bo‘sh idishga quyildi. Natijada idishning $\frac{1}{3}$ qismi suv bilan to‘ldi. Bitta plastik idishning sig‘imini toping.



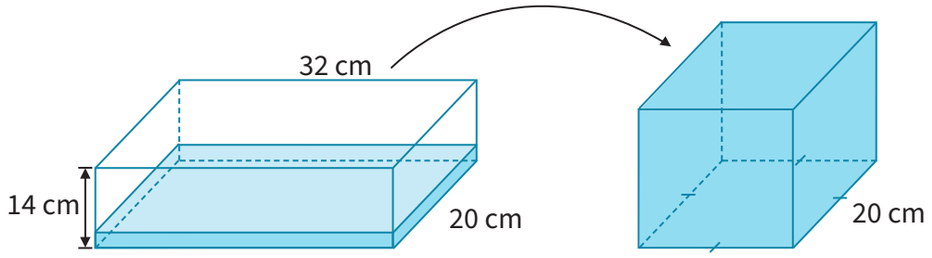
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 156 22/08/24 19:24

3 Bo‘yi 28 cm, eni 24 cm va balandligi 27 cm bo‘lgan kuboid shaklidagi idishning $\frac{5}{6}$ qismi suv bilan to‘ldirilgan. Mansur aka idishdagi suv sathi 9 cm qolgunga qadar suvni to‘kib tashladi. Mansur aka to‘kib tashlagan suv hajmini toping.



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4 O‘lchamlari 32 cm, 20 cm va 14 cm bo‘lgan kuboid shaklidagi idish suv bilan to‘ldirilgan. Undan qirrasi 20 cm bo‘lgan kub shaklidagi idishga to‘ldirib suv quyildi. Kuboid shaklidagi idishda qolgan suv hajmini toping.



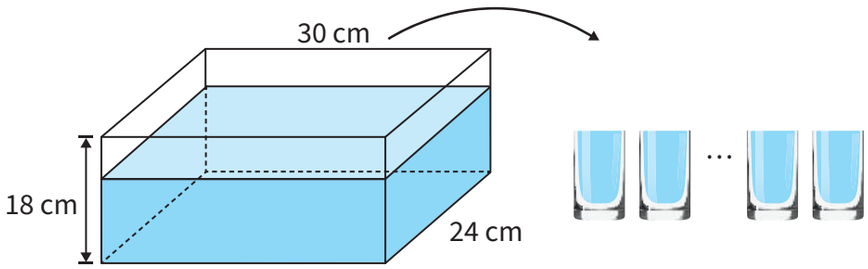
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 158 22/08/24 19:24

Ism: **Sinf:** **Sana:**

D3 10-topshiriq

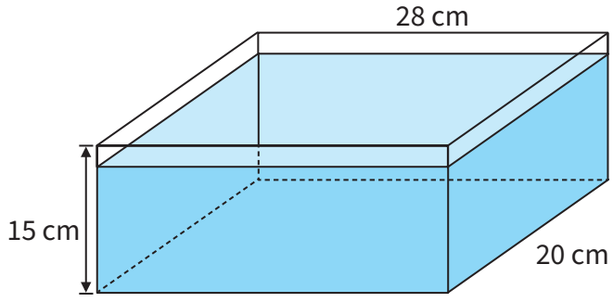
Matnli masalalarni yeching.

1 Suv bilan to‘ldirilgan kuboid shaklidagi idishning o‘lchamlari: 30 cm, 24 cm va 18 cm. Idishning $\frac{1}{3}$ qismidagi suv bir xil bo‘sh stakanlarga quyildi. Bitta stakanning hajmi 80 cm^3 bo‘lsa, nechta stakanga suv quyilgan?



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2 O‘lchamlari 28 cm, 20 cm va 15 cm bo‘lgan kuboid shaklidagi idishning $\frac{4}{5}$ qismi suv bilan to‘ldirilgan. Idishga 2 litr suv quyilganida suvning qanchadir qismi toshib oqib ketdi. Oqib ketgan suvning hajmini aniqlang. Javobingizni millilitrda ifodalang.



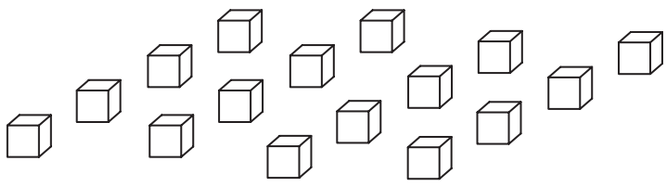
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 160 22/08/24 19:24

Ism: **Sinf:** **Sana:**

Amaliy topshiriq

Birlik kublardan foydalanib kuboidlarni yasang.

16 ta birlik kubdan foydalanib, 4 ta turli xil kuboid yasang. Quyidagi jadvalga kuboidlar o‘lchamlarini yozib boring.

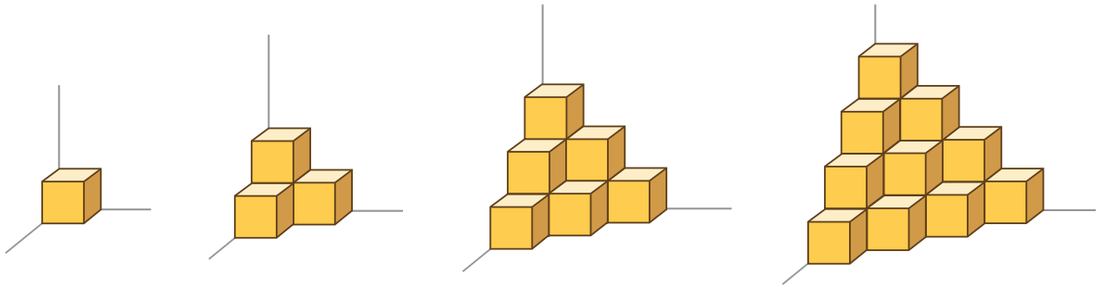


Jism	Bo‘yi (birlikda)	Eni (birlikda)	Balandligi (birlikda)	Hajmi (kub birlikda)
A				
B				
C				
D				

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Muammoli topshiriq

Qirrasi 1 cm bo‘lgan bir xil kublardan quyidagidek fazoviy jismlar ketma-ketligi yasalgan. 6-o‘rinda keladigan jismning hajmi qancha bo‘ladi?



- Masalani tushundingizmi?
- Reja tuzing.
- Masalani yeching.
- Javobingizni tekshiring.

Reja

Yechish

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Tekshirish

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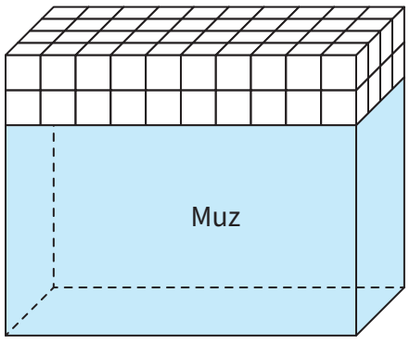
Matematika kundaligi



Jasurda kuboid shaklidagi idish bor. Idishning $\frac{3}{4}$ qismini muz bo‘lagi egallagan. Idishning qolgan qismiga qirrasi 1 cm bo‘lgan kublar terib chiqilgan.

a) Muz bo‘lagi hajmini qanday topishingizni tushuntiring.

b) Muz bo‘lagi hajmi qancha?



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Ism: Sinf: Sana:

6 Nisbatlar

Nisbat tushunchasi

D1 1-topshiriq

1 Bo‘sh o‘rinlarga mos keluvchi nisbatlarni yozing.





a) Futbol to‘plari sonining basketbol to‘plari soniga nisbati

_____ : _____.

b) Basketbol to‘plari sonining futbol to‘plari soniga nisbati

_____ : _____.

2 Bo‘sh o‘rinlarga mos keluvchi nisbatlarni yozing.





a) Sanchqilar sonining qoshiqlar soniga nisbati

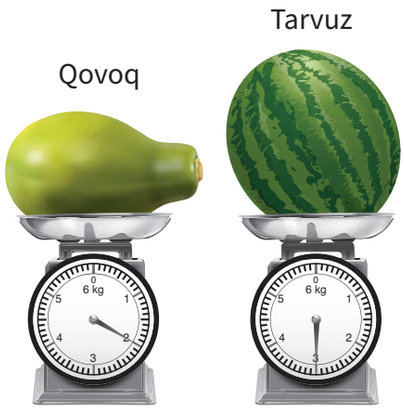
_____ : _____.

b) Qoshiqlar sonining sanchqilar va qoshiqlar umumiy soniga nisbati

_____ : _____.

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3 Nisbatlarni yozing.



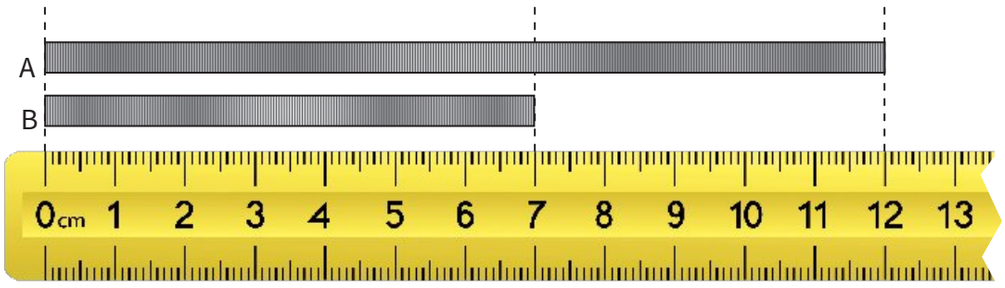
a) Qovoq massasining tarvuz massasiga nisbati

_____ : _____.

b) Tarvuz massasining qovoq massasiga nisbati

_____ : _____.

4 Nisbatlarni yozing.



a) A tasma uzunligining B tasma uzunligiga nisbati

_____ : _____.

b) B tasma uzunligining jami tasmalar umumiy uzunligiga nisbati

_____ : _____.

c) Ikki tasma umumiy uzunligining A tasma uzunligiga nisbati

_____ : _____.

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5 Nisbatlarni yozing.

Shokoladli pechenye 

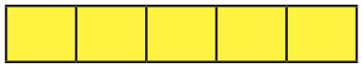
Sutli pechenye 

a) Shokoladli pechenyelar to‘plamining sutli pechenyelar to‘plamiga nisbati_____ : _____.

b) Sutli pechenyelar to‘plamining jami pechenyelar to‘plamiga nisbati

_____ : _____.

6 Nisbatlarni yozing.

X 

Y 

a) X bo‘laklari sonining Y bo‘laklari soniga nisbati

_____ : _____.

b) Y bo‘laklari sonining X bo‘laklari soniga nisbati

_____ : _____.

c) X va Y ning jami bo‘laklari sonining X bo‘laklari soniga nisbati

_____ : _____.

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7 Berilgan nisbatni ifodalovchi chizma-model chizing.

P : Q = 6 : 5

8 Jadvalda 4 nafar boladagi stikerlar soni berilgan.

Ismi	Dono	Kamola	Akmal	Olimtoy
Stikerlar soni	8	5	7	11

a) Kamoladagi stikerlar sonining Olimtoydagi stikerlar soniga nisbati

_____ : _____.

b) Akmaldagi stikerlar sonining Donodagi stikerlar soniga nisbati

_____ : _____.

c) Kamoladagi stikerlar sonining jami stikerlar soniga nisbati

_____ : _____.

9 Lobarda Kamoladan 4 marta, Hiloladan ikki marta ko‘p qisqich bor. Hiloladagi qisqichlar sonining uchala qizdagi jami qisqichlar soniga nisbati qanday?

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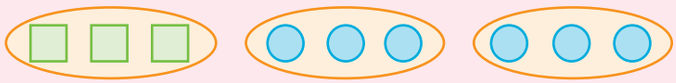
Ism: Sinf: Sana:

Teng kuchli nisbatlar

D1 2-topshiriq

1 Rasm asosida nisbatlarni yozing. Tegishli guruhlarga ajrating va nisbatlarni qisqarmas shaklda yozing.

Namuna



Kvadratlar sonining doiralar soniga nisbati 3 : 6.

Guruhlarga ajrating.

Nisbatning qisqarmas shakli 1 : 2.

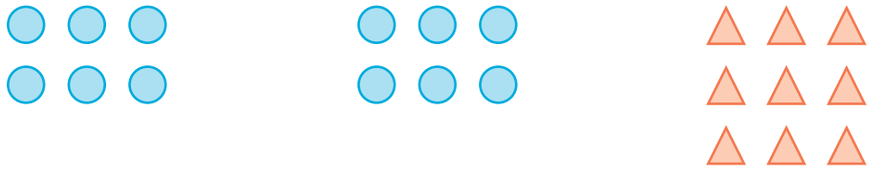
a) 

Uchburchaklar sonining kvadratlar soniga nisbati

_____ : _____.

Nisbatning qisqarmas shakli

_____ : _____.

b) 

Doiralar sonining uchburchaklar soniga nisbati

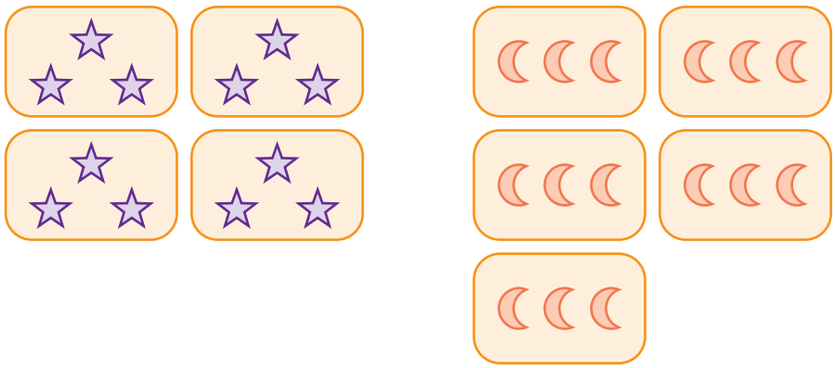
_____ : _____.

Nisbatning qisqarmas shakli

_____ : _____.

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2 Nisbatlarni qisqarmas shaklda yozing.



a) Yulduzchalar sonining yarimoylar soniga nisbati

_____ : _____.

b) Yarimoylar sonining yulduzchalar soniga nisbati

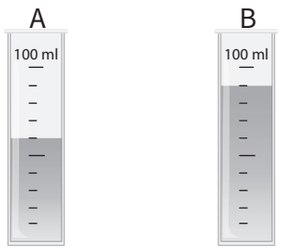
_____ : _____.

c) Yulduzchalar sonining shakllar umumiy soniga nisbati

_____ : _____.

3 Nisbatlarni qisqarmas shaklda yozing.

a)



60 ml 90 ml

A idishdagi suv hajmi : B idishdagi suv hajmi

= _____ : _____

= _____ : _____

b)



C arqon 36 m D arqon 48 m

C arqon uzunligi : D arqon uzunligi

= _____ : _____

= _____ : _____

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4 Bo‘sh o‘rinlarni to‘ldiring. Nisbatlarni qisqarmas shaklda yozing.

a) 16 : 4 = _____ : _____	b) 7 : 21 = _____ : _____
c) 24 : 64 = _____ : _____	d) 45 : 27 = _____ : _____
e) 54 : 81 = _____ : _____	f) 42 : 14 = _____ : _____

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5 Nisbatlarni qisqarmas shaklda yozing.

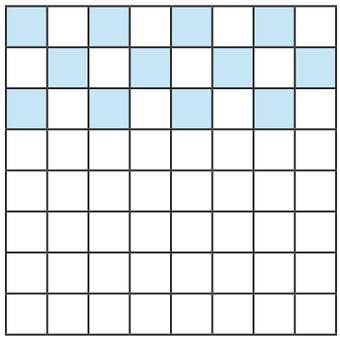
a) Sport klubida 28 nafar suzuvchi va 12 nafar yuguruvchi bor. Yuguruvchilar sonining suzuvchilar soniga nisbati qanday?

b) Maktab hovlisida 12 nafar o‘qituvchi va 42 nafar o‘quvchi bor. O‘qituvchilar sonining o‘quvchilar soniga nisbati qanday?

6 Hozir Sobir 12 yoshda, Madina esa 16 yoshda. 6 yildan so‘ng ularning yoshlari nisbati qanday bo‘ladi? Nisbatni qisqarmas shaklda yozing.

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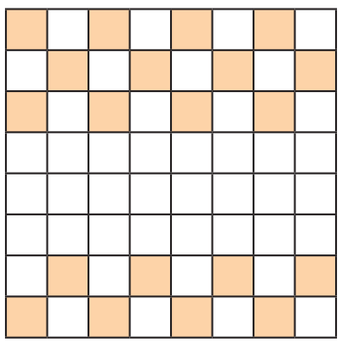
7 Dono o‘lchami 8 × 8 bo‘lgan katakli qog‘ozni quyida ko‘rsatilganidek bo‘yab chiqdi.



a) Bo‘yalgan kataklar sonining umumiy kataklar soniga nisbati qanday? Nisbatni qisqarmas shaklda yozing.

_____

Dono yana 8 ta katakni bo‘yadi.



b) Bo‘yalgan kataklar sonining bo‘yalmagan kataklar soniga nisbati qanday? Nisbatni qisqarmas shaklda yozing.

_____

c) Bo‘yalgan kataklar sonining umumiy kataklar soniga nisbati qanday? Nisbatni qisqarmas shaklda yozing.

_____

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8 Rasm asosida ikkita miqdor nisbatini so‘zlar bilan yozing. Nisbatni qisqarmas shaklda yozing.



6 ta velosiped



10 ta mototsikl



12 ta mashina

Namuna

Mototsikllar sonining mashinalar soniga nisbati 5 : 6.

a)

b)

c)

d)

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Ism: **Sinf:** **Sana:**

D1 3-topshiriq

1 Bo‘sh o‘rinlarni to‘ldiring.

a) $2 : 3$ $= 10 : ____$	b) $4 : 7$ $= ____ : 14$
c) $9 : 4$ $= 54 : ____$	d) $8 : 5$ $= ____ : 35$
e) $40 : ____$ $= 5 : 4$	f) $____ : 99$ $= 8 : 11$

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2 Tushirib qoldirilgan sonlarni yozing.

a) 6 : 7 = _____ : 56	b) 3 : 8 = 27 : _____
c) 3 : 7 = _____ : 21	d) 5 : 6 = 45 : _____
e) 9 : _____ = 36 : 40	f) _____ : 64 = 1 : 8

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Ism: **Sinf:** **Sana:**

D2 4-topshiriq

Matnli masalalarni yeching.

1 Har bir sovg‘a to‘plamida 2 ta o‘chirg‘ich va 5 ta qalam bor.





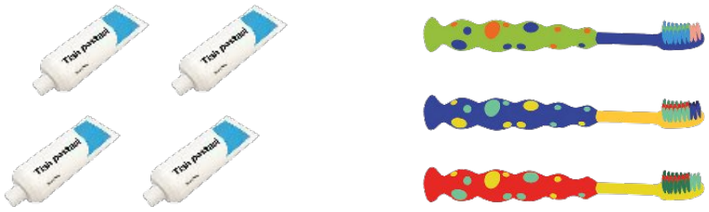
a) Kamola 4 ta shunday sovg‘alar to‘plamini sotib olmoqchi. U nechta qalam oladi?

b) Akmal shunday sovg‘alar to‘plamidan bir nechtasini sotib oldi. Agar unda 30 ta qalam bo‘lsa, Akmal qancha o‘chirg‘ich sotib olgan?

c) Sardor shunday sovg‘alar to‘plamidan bir nechtasini sotib oldi. Agar unda 18 ta o‘chirg‘ich bo‘lsa, Sardor nechta qalam sotib olgan?

35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 177 22/08/24 19:25

2 Sayohat qutisida 4 ta tish pastasi va 3 ta tish cho‘tkasi bor.



a) Hilola 5 ta sayohat qutisi sotib oldi. Unda qancha tish pastasi bo‘ladi?

b) Madina shunday sayohat qutilaridan sotib olgach, unda 18 ta tish cho‘tkasi bo‘ldi. Unda qancha tish pastasi bor?

c) Bir firma 36 ta tish pastasi sotib olmoqchi bo‘lib, sayohat qutilarini xarid qildi. Firma nechta tish cho‘tkasiga ega bo‘ladi?

35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 178 22/08/24 19:25

Ism: Sinf: Sana:

Berilgan miqdor va nisbatga ko‘ra boshqa miqdorni topish

D1 5-topshiriq

Matnli masalalarni yeching.

1. Kamola va Hilola stikerlarni 4 : 7 nisbatda bo‘lib olishdi. Kamola 20 ta, Hilola esa undan ko‘proq stiker oldi. Hilola nechta stiker olgan?

2. Zaldagi qizlar sonining o‘g‘il bolalar soniga nisbati 7 : 5. Zaldagi o‘g‘il bolalar 50 nafar bo‘lsa, qizlar nechta?

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3 Madina tejagan pullarning Akmal tejagan pullarga nisbati 8 : 5. Akmalning tejagan puli 1000 so‘m. Madinaning tejagan puli qancha?

4 Fermadagi tovuqlar sonining o‘rdaklar soniga nisbati 3 : 2. Agar fermada 150 ta tovuq bo‘lsa, parrandalarning umumiy sonini toping.

35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 180 22/08/24 19:25

Ism: Sinf: Sana:

Berilgan jami miqdor va nisbatga ko‘ra uning qismlarini topish

D1 6-topshiriq

Matnli masalalarni yeching.

1. Lola va Aziz 1 : 4 nisbatda sovg‘aga pul qo‘shdi. Sovg‘aning narxi 80 000 so‘m. Aziz sovg‘aga qancha pul qo‘shgan?

2. Malika xola 1 ℓ apelsin sharbatini 2 ta A va B idishga 3 : 5 nisbatda quydi. B idishdagi apelsin sharbatining hajmi qancha? Javobni millilitrda ifodalang.

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3 Botir va Alisher sovg‘a uchun mos ravishda 5 : 9 nisbatda jami 28 000 so‘m to‘plashdi. Botir sovg‘aga qancha pul qo‘shgan?

4 Uzunligi 144 m bo‘lgan arqon 7 : 5 nisbatda ikki bo‘lakka bo‘lindi. Katta bo‘lakning uzunligi qancha?

35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 182 22/08/24 19:25

Ism: Sinf: Sana:

Ikkita miqdorning nisbatiga doir matnli masalalar

D1 7-topshiriq

Matnli masalalarni yeching.

1 Akmaldagi qizil sharlar sonining ko‘k sharlar soniga nisbati 6 : 5. Unda 24 ta qizil shar bor.

a) Akmalda nechta ko‘k shar bor?

b) Unda jami qancha shar bor?

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2 Maktabdagi har 7 o‘quvchidan 4 nafari teatrga bordi. Maktabda 35 nafar o‘quvchi bor. Nechta o‘quvchi teatrga borgan?

3 Rustamdagi pulning Saiddagi pulga nisbati 7 : 5. Ularning pullari farqi 46 000 so‘m. Rustamda qancha pul bor?

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Ism: **Sinf:** **Sana:**



8-topshiriq

Matnli masalalarni yeching.

1 Firdavsdagi pulning Asaddagi pulga nisbati 2 : 3. Humoyunda Firdavs va Asadning jami pulidan 2 marta ko‘p pul bor. Asadda 27 000 so‘m bor. Humoyunda Firdavsdan qancha ko‘p pul bor?

2 Akmal va Jasur 5 : 9 nisbatda pul ehson qildi. Akmal 40 000 so‘m ehson qildi. Jasur Akmaldan qancha ko‘p pul ehson qildi?

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3 Kamola va Donodagi pullar 7 : 5 nisbatda bo‘lib, Donoda Kamolanikidan 10 000 so‘m kam pul bor. Donoda qancha pul bor?

4 5 yil oldin Sardor amaki yoshining Aziz amaki yoshiga nisbati 3 : 4 bo‘lgan va Sardor amaki Aziz amakidan 12 yosh kichik edi. Hozir Aziz amaki necha yoshda?

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5 Akmalning vazni 31 kg. Abdullaning vazni undan 10 kg og‘irroq. Abdulla vaznining ularning umumiy vazniga nisbatini toping.

6 Kutubxonada ertak kitoblar sonining boshqa kitoblar soniga nisbati 9 : 4. Ularning miqdoridagi farq 245 ta. Kutubxonada nechta ertak kitob bor?

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7 Uzunligi 72 cm bo‘lgan ip 2 bo‘lakka bo‘lindi. 1-bo‘lak uzunligi 24 cm. Uzun bo‘lak uzunligining qisqa bo‘lak uzunligiga nisbatini toping. Nisbatni qisqarmas shaklda yozing.

8 X yuk Y yukdan 2 marta og‘ir. Y yuk massasining Z yuk massasiga nisbati 1 : 3. Yuklarning umumiy massasi 24 kg. X yukning massasini toping.

35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 188 22/08/24 19:25

Ism: Sinf: Sana:

Uchta miqdorning nisbati

D2 9-topshiriq

1 Bo‘sh o‘rinlarga to‘g‘ri nisbatlarni yozing.



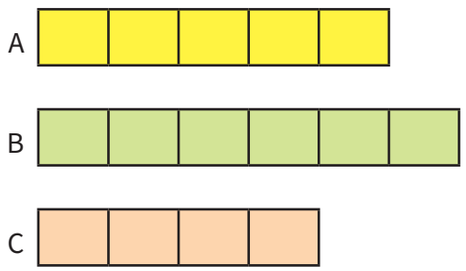
a) Olmalar, noklar va bananlar sonining nisbati

_____ : _____ : _____.

b) Noklar, bananlar va olmalar sonining nisbati

_____ : _____ : _____.

2 Har bir nisbatni qisqarmas shaklda yozing.



a) A, B va C larning nisbati

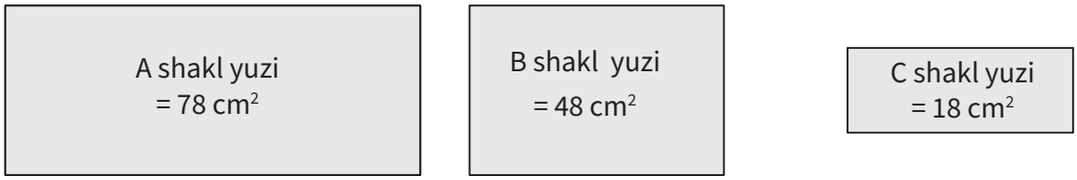
_____ : _____ : _____.

b) B ning A, B, C lar yig‘indisiga nisbati

_____ : _____.

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3



A, B va C shakllar yuzlari nisbatining qisqarmas shakli

_____ : _____ : _____.

4 Jadvalda 4 nafar boladagi markalar soni berilgan.

Ismi	Ali	Botir	Lobar	Dilbar
Markalar soni	9	8	15	12

a) Markalarning umumiy sonini toping.

b) Ali, Lobar va Dilbardagi markalar sonining nisbatini qisqarmas shaklda yozing.

c) Botirdagi, Dilbardagi va jami markalar sonining nisbatini qisqarmas shaklda yozing.

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5 Tushirib qoldirilgan sonlarni yozing.

a) 18 : 9 : 3 = 6 : _____ : _____	b) 24 : 32 : 72 = _____ : 4 : _____
c) 30 : 25 : 15 = _____ : _____ : 3	d) 3 : 6 : 7 = 18 : _____ : _____
e) 40 : 64 : 72 = 5 : _____ : 9	f) 18 : 45 : 27 = 2 : _____ : _____

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6 Nisbatlarni qisqarmas shaklda yozing.

a) 81 : 27 : 18

= _____

b) 54 : 60 : 15

= _____

7 Tushirib qoldirilgan sonlarni yozing.

a) 4 : 5 : 8

= 20 : _____ : 40

b) 3 : 10 : 11

= _____ : 100 : _____

c) _____ : _____ : 7

= 16 : 24 : 28

d) 2 : _____ : _____

= 12 : 36 : 54

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Ism: Sinf: Sana:

Uchta miqdorning nisbatiga doir matnli masalalar

D1 10-topshiriq

Matnli masalalarni yeching.

1 Akmal ichimlik tayyorlash uchun 2 stakan gazli suvga 4 stakan sharbat va 12 stakan limonad aralashtirdi.
a) Gazli suv, sharbat va limonad miqdorlari nisbatini toping va qisqarmas shaklda yozing.
b) Akmal shunday ichimlikdan yana tayyorlamoqchi. Buning uchun u 6 stakan gazli suv ishlatdi. Nisbat o‘zgarmasligi uchun u qancha sharbat qo‘shishi kerak?

2 Arqon 4 : 5 : 2 nisbatda 3 bo‘lakka bo‘lindi. Eng qisqa bo‘lak 16 cm. Eng uzun bo‘lak uzunligini toping.

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3 Dono, Kamola va Umidada ma’lum miqdorda pul bor. Dono, Kamola va Umidadagi pulning nisbati 9 : 4 : 6. Agar Kamolada 7200 so‘m bo‘lsa, qizlarda jami qancha pul bor?

4 Dastlab qutida 15 ta qizil va 12 ta ko‘k tugma bor edi. Umida opa 5 ta qizil tugmani ishlatdi. Qutidagi qizil, ko‘k tugmalar hamda qutidagi jami tugmalarning nisbatini toping. Nisbatni qisqarmas shaklda yozing.

35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 194 22/08/24 19:25

Ism: **Sinf:** **Sana:**

D2 1-topshiriq

Matnli masalalarni yeching.

1 Do‘konda har 30 000 so‘mlik xarid uchun xaridorga 2000 so‘m chegirma va keyingi xaridlar uchun 3 ta kupon beriladi.
a) Akmal do‘kondan 90 000 so‘mlik mahsulot xarid qildi. U qancha chegirma va nechta kupon oldi?
b) Kamola 10 000 so‘m chegirma oldi. U do‘konda qancha pul sarflagan va nechta kupon olgan?

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2 Umar amaki o‘g‘li Akmaldan 3 marta og‘ir. Akmal esa Azizdan 2 marta og‘ir.

a) Umar amaki, Akmal va Azizning vaznlarining nisbatini toping.

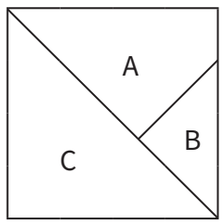
b) Akmalning vazni 18 kg bo‘lsa, Umar amakining vaznini toping.

35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 196 22/08/24 19:25

3 Kvadrat rasmda ko‘rsatilganidek uchta A, B, C qismlarga bo‘lindi. B qism yuzining C qism yuziga nisbati 3 : 8 ga teng.

a) A qism yuzining B va C qism yuzlariga nisbatini toping.

b) C qism yuzi 32 cm^2 bo‘lsa, B qism yuzini toping.



35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 197 22/08/24 19:25

4 Kinoteatrdagi katta yoshlilar, o‘g‘il bolalar, qizlar soni nisbati 17 : 8 : 5. O‘g‘il va qiz bolalar sonidagi farq 45 ga teng. Kinoteatrda necha nafar o‘g‘il bola bor?

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5 Obid amaki qizlariga 3 : 3 : 2 nisbatda pul berdi. Eng kichik qizi eng kam – 2600 so‘m oldi. Obid amaki qizlariga qancha pul bergan?

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6 Akmaldagi pulning Sardordagi pulga nisbati 3 : 5 ga teng va Akmalda 3000 so‘m bor.

a) Sardorda qancha pul bor?

b) Sardor 1500 so‘m sarfladi. Shundan keyin Sardordagi pulning Akmaldagi pulga nisbati qanday bo‘ldi?

35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 200 22/08/24 19:25

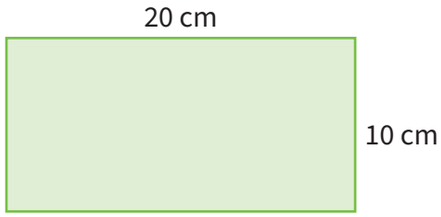
Ism: **Sinf:** **Sana:**

Amaliy topshiriq

Berilgan o‘lchamlarga ko‘ra to‘g‘ri to‘rtburchak chizing va uni berilgan nisbatda 3 ta qismga bo‘ling.

Juftlikda ishlang.

a) A4 o‘lchamli qog‘ozga bo‘yi 10 cm va eni 20 cm bo‘lgan to‘g‘ri to‘rtburchak chizing.



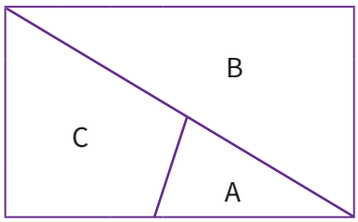
b) To‘g‘ri to‘rtburchakni yuzlari nisbati 2 : 3 : 5 bo‘lgan 3 ta to‘g‘ri to‘rtburchak shaklidagi bo‘laklarga bo‘ling.

c) Har bir bo‘lakning yuzini toping.

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Muammoli topshiriq

Rasmda uchta bo‘lakka bo‘lingan to‘g‘ri to‘rtburchak tasvirlangan.
A bo‘lak yuzining B bo‘lak yuziga nisbati 2 : 5.
B bo‘lak yuzi C bo‘lak yuzidan 12 cm^2 ga katta. B bo‘lakning yuzini toping.



Reja

Yechish

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Tekshirish

Matematika kundaligi



5-“A” sinfdagi o‘g‘il bolalar sonining qizlar soniga nisbati 5-“B” sinfdagi bolalar nisbati bilan bir xil bo‘lib, ushbu nisbat 4 : 3 ga teng.



5-“A” va 5-“B” sinfdagi o‘g‘il bolalar va qizlar soni turlicha bo‘lishi mumkinmi?

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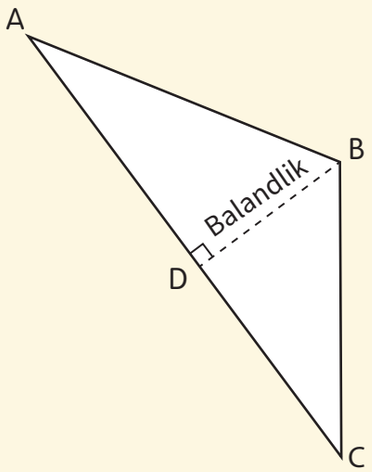
Ism: _____ **Sinf:** _____ **Sana:** _____

II TAKRORLASH

A bo‘lim

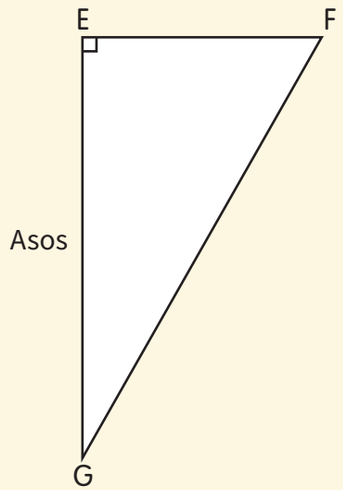
1 Uchburchakning asosiga mos balandligini yoki balndligiga mos asosini aniqlang.

a)



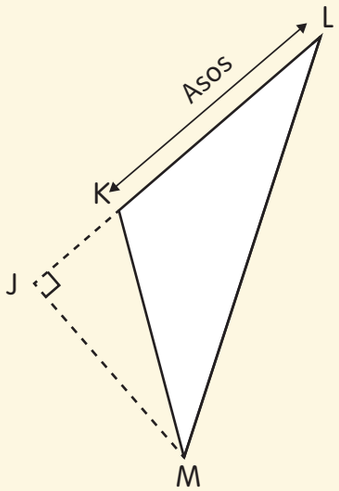
Asos = _____

b)



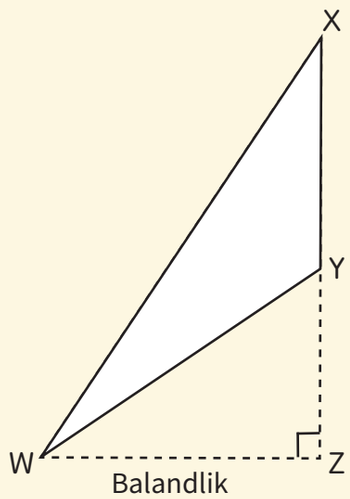
Balandlik = _____

c)



Balandlik = _____

d)

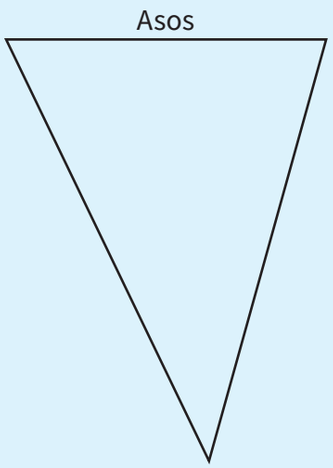


Asos = _____

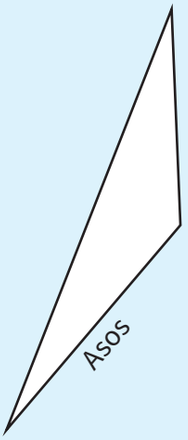
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 204 22/08/24 19:25

2 Uchburchaklarning berilgan asosiga mos balandligini chizing va belgilang.

a)

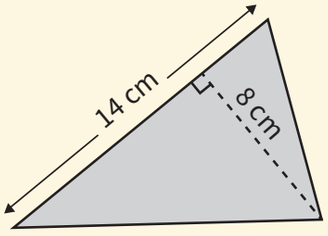


b)



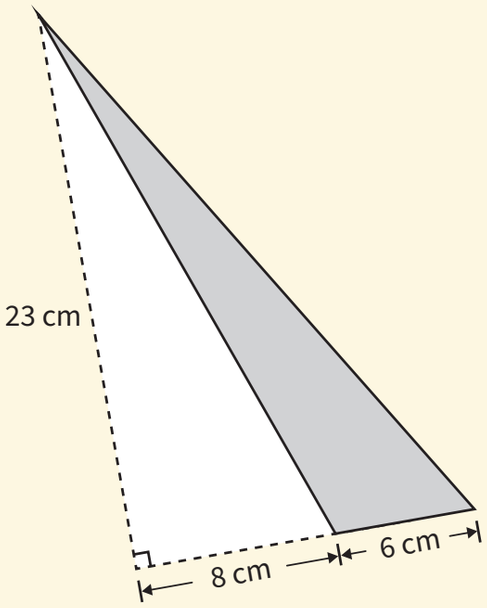
3 Bo‘yalgan uchburchaklar yuzini toping.

a)



Yuzi =

b)

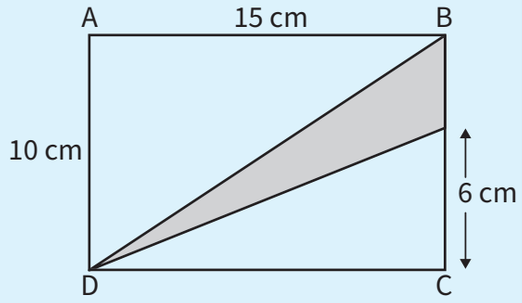


Yuzi =

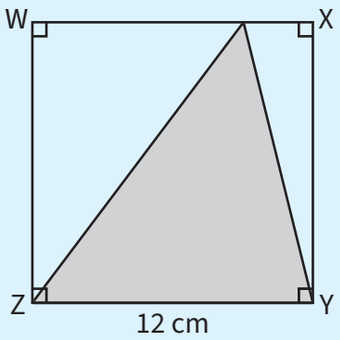
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4 Har bir rasmdagi shaklning bo‘yalgan qismi yuzini toping.

a) ABCD – to‘g‘ri to‘rtburchak.

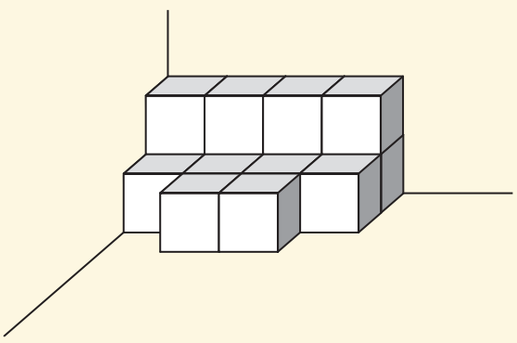


b) WXYZ – kvadrat.



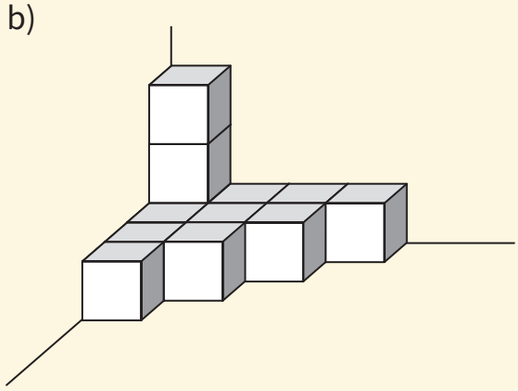
5 Birlik kublardan yasalgan jismlar hajmini toping.

a)



Hajmi = _____ kub birlik

b)

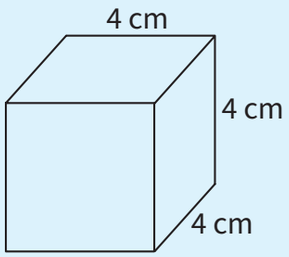


Hajmi = _____ kub birlik

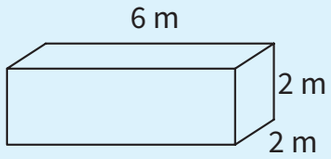
35 MATEMATICS WORKBOOK G5 P1 UZB 220x290 224PG.indd 206 22/08/24 19:25

6 Hajmini toping.

a)

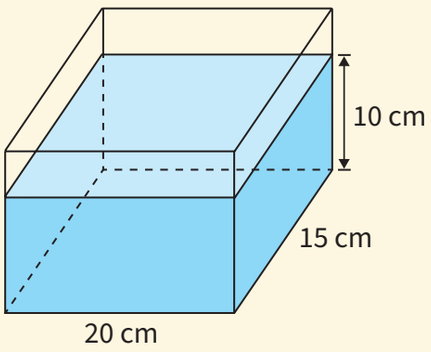


b)



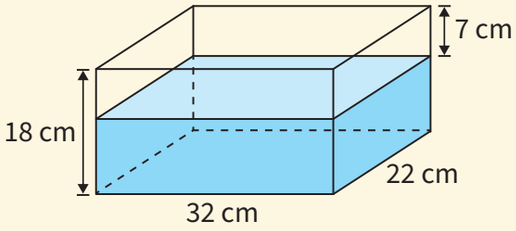
7 Har bir idish ichidagi suv hajmini toping.

a) Javobni litrda ifodalang.



Suv hajmi =

b) Javobni litr va millilitrda ifodalang.



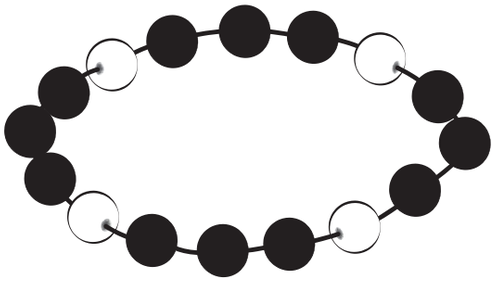
Suv hajmi =

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8 Hajmlarni boshqa o‘lchov birligida ifodalang.

	Santimetr kubda	Litrda yoki litr va millilitrda
a)	745 cm^3	
b)		3 ℓ 26 ml
c)	7005 cm^3	
d)		9 ℓ 178 ml

9 Taqinchoq qora va oq marjonlardan tuzilgan.



Har bir nisbatni qisqarmas shaklda ifodalang.

a) Qora marjonlar sonining oq marjonlar soniga nisbati _____

b) Oq marjonlar sonining umumiy marjonlar soniga nisbati _____

c) Oq, qora va jami marjonlar sonining nisbati _____

10 Tushirib qoldirilgan sonlarni yozing.

a) 3 : 5 = ☐ : 25

b) 7 : ☐ = 21 : 18

c) 10 : ☐ = 60 : 6

d) ☐ : 54 = 7 : 6

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11 Jadvalda sayohatga chiqqan o‘g‘il bolalar, qizlar va o‘qituvchilar soni ko‘rsatilgan.

O‘g‘il bolalar soni	Qizlar soni	O‘qituvchilar soni
24	16	4

Har bir nisbatni qisqarmas shaklda yozing.

a) Qizlar sonining o‘g‘il bolalar soniga nisbati qanday? _____

b) O‘qituvchilar sonining o‘quvchilar soniga nisbati qanday? _____

c) O‘g‘il bolalar sonining jami sayohatchilar soniga nisbati qanday? _____

12 Tushirib qoldirilgan sonlarni toping.

a) 3 : 2 : 6

= 12 : ☐ : ☐

b) 8 : 5 : 9

= ☐ : 25 ☐

c) 12 : 5 : 4

= ☐ : ☐ : 28

d) 10 : 20 : 30

= ☐ : 60 : ☐

13 Quyidagi nisbatlarni qisqarmas shaklda yozing.

a) 4 : 10 : 8

= ☐ : ☐ : ☐

b) 15 : 35 : 60

= ☐ : ☐ : ☐

c) 18 : 36 : 48

= ☐ : ☐ : ☐

d) 100 : 80 : 20

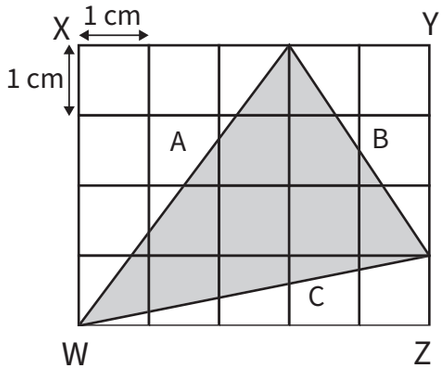
= ☐ : ☐ : ☐

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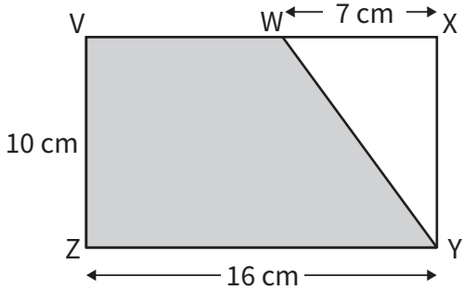
B bo‘lim

Masalalar yechimini batafsil tushuntirib yozing.

1 Bo‘yalgan uchburchak yuzini toping.

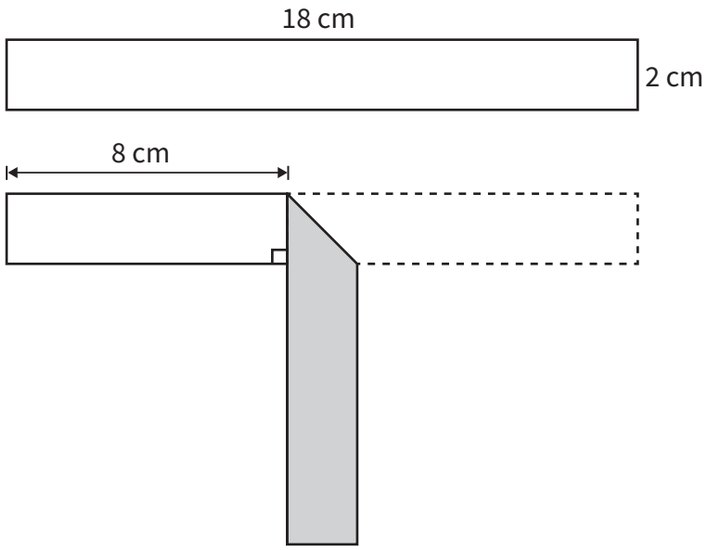


2 VXYZ – to‘g‘ri to‘rtburchak. VZ = 10 cm, YZ = 16 cm va WX = 7 cm.
VXYZ ning bo‘yalgan qismi yuzini toping.



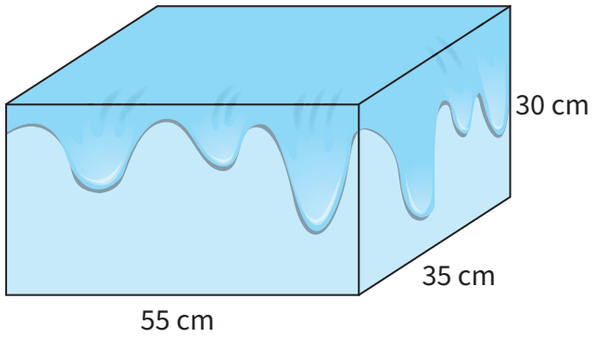
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3 To‘g‘ri to‘rtburchak shaklidagi qog‘oz quyida ko‘rsatilganidek buklandi. Bo‘yalgan qismning yuzini toping.



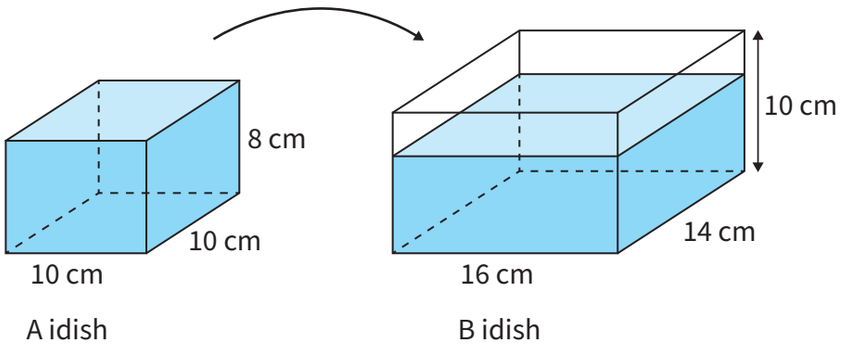
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4 Qirralari 30 cm, 35 cm, 55 cm bo‘lgan kuboid shaklidagi idishga boshqa idishdagi 62 ℓ suvning hammasi quyilsa, qancha suv yerga to‘kilib ketadi? Javobingizni litr va millilitrlarda ifodalang.



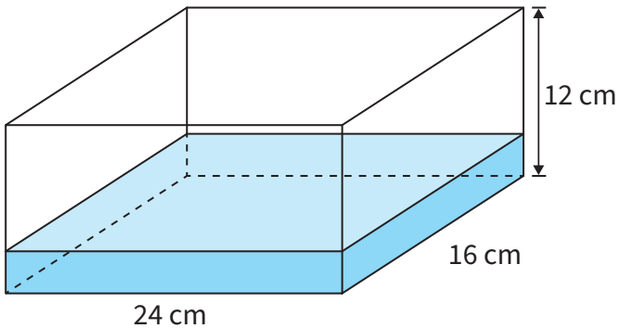
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5 A idish 2 marta suv bilan to‘ldirilib, B idishga quyildi. B idishning qancha qismi suv bilan to‘lgan?



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6 Qirralari 24 cm, 16 cm, 12 cm bo‘lgan kuboid shaklidagi idishning $\frac{1}{4}$ qismi suv bilan to‘ldirilgan. Jasur unga biroz suv quyganidan so‘ng idishda 3072 cm^3 suv bo‘ldi. Jasur idishga qancha suv quygan?



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7 Istirohat bog‘ida jami 1856 nafar bola va katta yoshlilar bor. Katta yoshlilar sonining bolalar soniga nisbati 3 : 5. Istirohat bog‘idagi bolalar katta yoshlilardan qancha ko‘p?

8 Umar amaki 470 000 so‘m pulining 150 000 so‘mini ishlatdi va qolganini rafiqasi hamda o‘g‘liga mos ravishda 4 : 1 nisbatda bo‘lib berdi. O‘g‘li qancha pul olgan?

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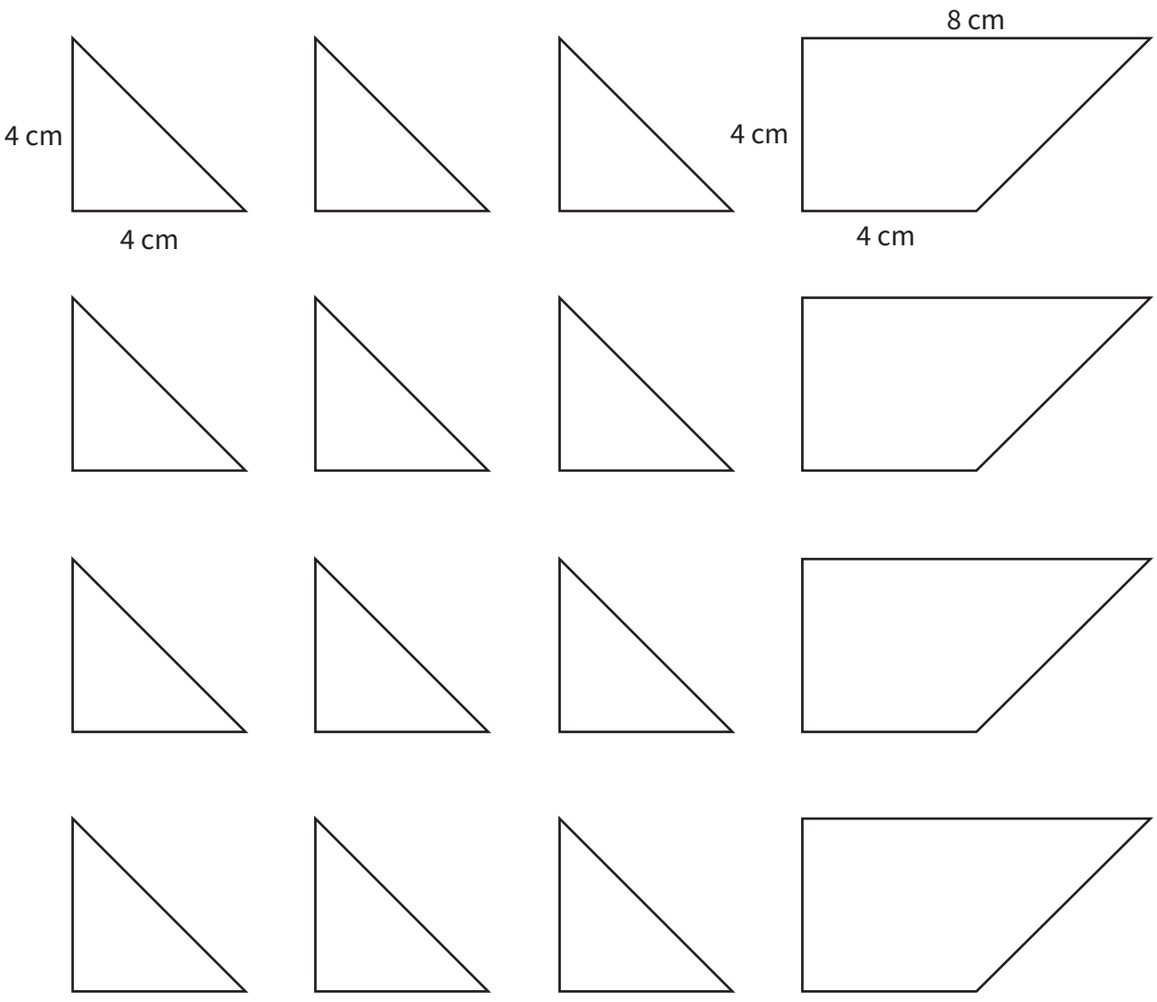
9 Aziz, Botir va Karim qutidan 4 : 5 : 12 nisbatda shokolad olishdi. Karim Botir va Azizdagi jami shokoladlardan 15 ta ko‘p shokolad oldi. Qutida qancha shokolad bo‘lgan?

10 Madina, Akmal va Sardor guruh bo‘lib viktorinada ishtirok etishdi. Madina to‘plagan ballarning Akmal to‘plagan ballarga nisbati 2 : 3. Sardor Akmaldan ikki barobar ko‘p ball to‘pladi. Madina Sardordan 104 ball kam yig‘di. Bolalar jami necha ball to‘plagan?

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Qirqib olinadigan shakllar

135-betga qarang. Ushbu shakllarni qirqib oling (uchburchaklar bir xil).



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