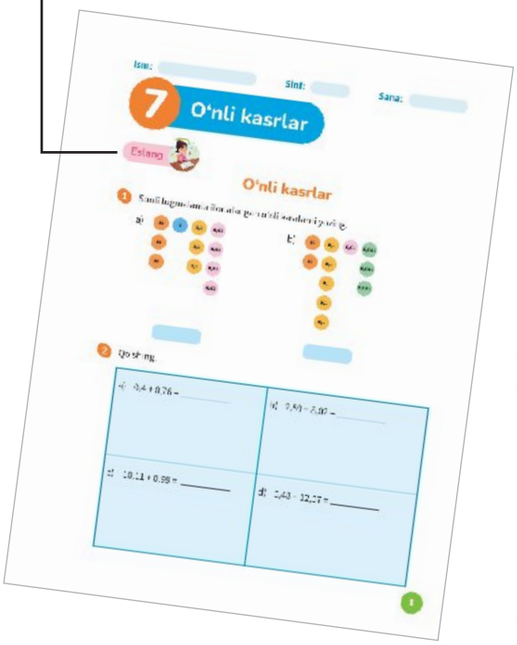
So‘zboshi

“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

rukni 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.

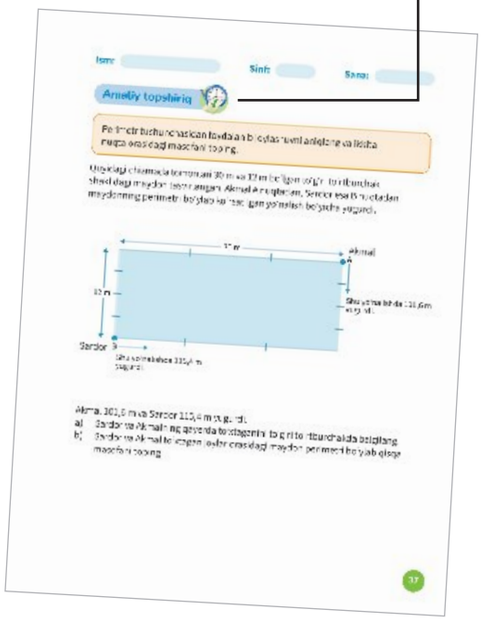
2) D2 – ikkinchi darajali topshiriqlar o‘quvchilar mavzuga oid o‘rtacha murakkablikdagi tushunchalarni qanday o‘zlashtirganini baholaydi va ularga yuqori darajadagi fikrlash ko‘nikmalarini rivojlantirishda yordam beradi.

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

Perimetri berilgan shakldan foydalanib, noma'lum uzunlikni aniqlang va ifodani eng oddiy ko'rinishga keltiring.

Quyidagi chizmada tomonlari 30 m va 12 m bo'lgan to'g'ri to'rtburchak shaklidagi maydon tasvirlangan. Akmal shu maydon, Sardor esa shu maydonning perimetri bo'ylab ma'lum yo'nalish bo'yicha yuguradi.

Akmal 301,6 m va Sardor 115,4 m yugurdi.

a) Sardor va Akmal ning ayni shu holatgacha to'g'ri to'rtburchakda bo'lgan maydonni toping.

b) Sardor va Akmal ko'rsatgan oshbir oraliqdagi maydon perimetrini hisoblab chiqing.

37

Matematika kundaligi

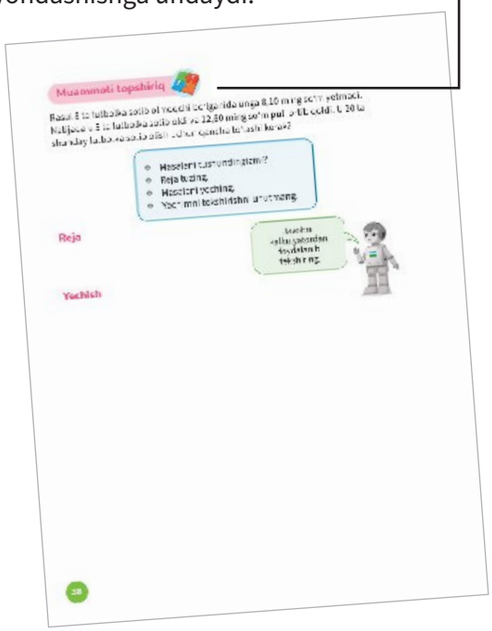
o‘quvchilarni matematikani o‘rganish jarayoni haqida fikrlashga undaydi.


Matematika kundaligi

40

Muammoli topshiriq

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


Muammoli topshiriq

Hasanning uyidan maktabgacha bo'lgan masofa 8,10 ming metr, maktabdan Hasanning uyigacha bo'lgan masofa esa 12,30 ming metr bo'lsa, bu masofalar farqi qancha bo'ladi?

- Nimalar berilgan?
- Reja tuzing.
- Hisoblang.
- Natijani tekshirishni unutmang.

Reja

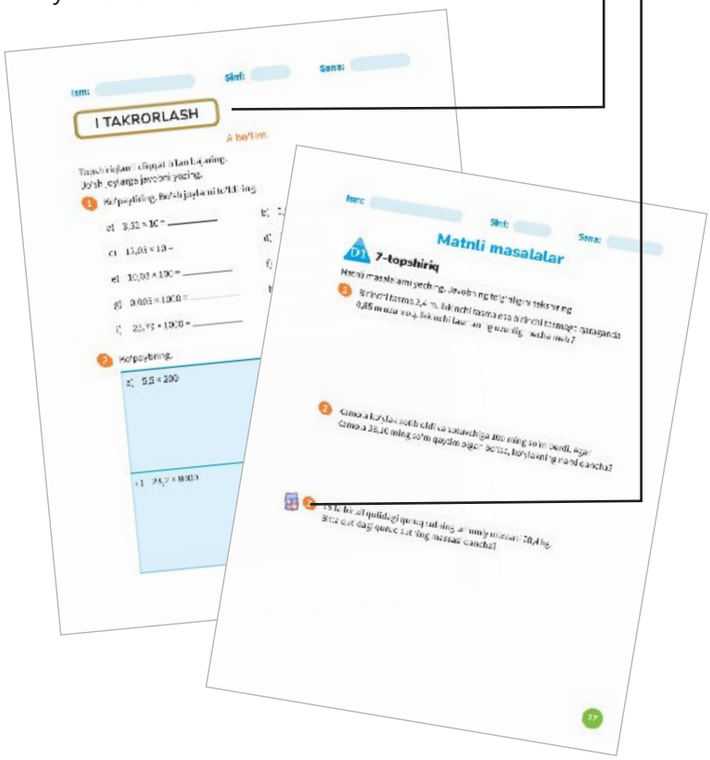
Yechish

38

Takrorlash

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

Hisoblashlarni bajarishda kalkulyatordan foydalanish mumkin.


Ism: Sinf: Sana:

I TAKRORLASH

A bo'lim

Matnli masalalar

7-topshiriq

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Ism: Sinf: Sana:

7 O‘nli kasrlar

Eslang 

O‘nli kasrlar

1 Sonli tugmalarda ifodalangan o‘nli kasrlarni yozing.

a)

10	1	0,1	0,01
10		0,1	0,01
10		0,1	0,01
			0,01

b)

10	0,1	0,01	0,001
10	0,1		0,001
	0,1		0,001
	0,1		
	0,1		

2 Qo‘shing.

a) 0,4 + 0,76 = _____	b) 2,59 + 8,02 = _____
c) 10,11 + 0,99 = _____	d) 5,48 + 12,57 = _____

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3 Ayiring.

a) 0,73 – 0,45 = _____	b) 1,48 – 0,96 = _____
c) 24,35 – 13,48 = _____	d) 35,05 – 22,37 = _____

4 Ko‘paytiring.

a) 3,6 × 3 = _____	b) 25,7 × 4 = _____
c) 5,73 × 5 = _____	d) 37,69 × 7 = _____

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5 Bo‘ling. Javobni o‘ndan birlar xonasigacha yaxlitlang.

a) 25,32 ÷ 4 = _____ (o‘ndan birlar xonasigacha)	b) 14 ÷ 9 = _____ (o‘ndan birlar xonasigacha)

6 Bo‘ling. Javobni yuzdan birlar xonasigacha yaxlitlang.

a) 37,16 ÷ 8 = _____ (yuzdan birlar xonasigacha)	b) 49 ÷ 6 = _____ (yuzdan birlar xonasigacha)

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7 Quyidagi oddiy kasrlarni o‘nli kasrga aylantiring.

a) $\frac{8}{25}$	b) $1\frac{1}{4}$
c) $\frac{7}{2}$	d) $5\frac{13}{50}$

8 Quyidagi o‘nli kasrlarni qisqarmas oddiy kasr ko‘rinishida ifodalang.

a) 3,25	b) 7,2
c) 12,6	d) 2,125

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Ism: Sinf: Sana:

O‘nli kasrni 10, 100 va 1000 ga ko‘paytirish

D1 1-topshiriq

1 Ko‘paytiring.

a)

×10

O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
	0 ,	6	2	1
	,			

b)

×10

O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
	1 ,	2	5	
	,			

c)

×10

Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar
	6	0 ,	4	
		,		

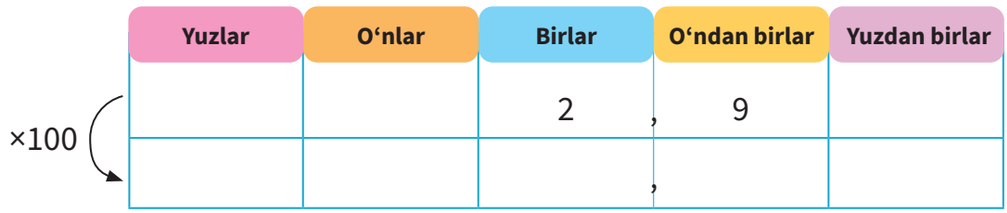
2 Ko‘paytiring.

a) 0,9 × 10 = _____	b) 0,05 × 10 = _____
c) 0,13 × 10 = _____	d) 0,287 × 10 = _____
e) 10,04 × 10 = _____	f) 33,468 × 10 = _____

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3 Ko‘paytiring.

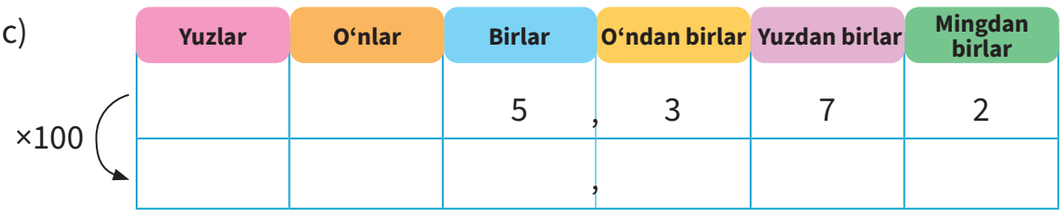
a)



b)



c)



4 Ko‘paytiring.

a) 0,9 × 100 = _____	b) 0,08 × 100 = _____
c) 4,4 × 100 = _____	d) 65,6 × 100 = _____
e) 20,07 × 100 = _____	f) 0,057 × 100 = _____

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5 Ko‘paytiring.

a)

×1000

Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
		0 ,	7	5	3
		,			

b)

×1000

Minglar	Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar
			4 ,	6	
			,		

c)

×1000

Minglar	Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar
			2 ,	0	9
			,		

6 Ko‘paytiring.

a) 0,5 × 1000 = _____	b) 0,28 × 1000 = _____
c) 1,4 × 1000 = _____	d) 2,303 × 1000 = _____
e) 16,48 × 1000 = _____	f) 25,743 × 1000 = _____

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 7 13/11/24 14:11

7 Tushirib qoldirilgan sonlarni yozing.

a) 0,35 × _____ = 350

b) 4,9 × _____ = 490

c) 0,1 × _____ = 10

d) 82,5 × _____ = 825

e) 463,28 × _____ = 46 328

f) 34,008 × _____ = 34 008

g) _____ × 2,674 = 2674

h) _____ × 57,92 = 5792

i) _____ × 230,01 = 2300,1

j) _____ × 90,086 = 90 086

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 8 13/11/24 14:11

Ism: Sinf: Sana:

O‘nli kasrni o‘nlik, yuzlik va mingliklarga ko‘paytirish

D2 2-topshiriq

1 Ko‘paytiring.

a) $0,3 \times 30 =$ _____	b) $0,06 \times 80 =$ _____
c) $1,6 \times 70 =$ _____	d) $2,05 \times 50 =$ _____
e) $7,36 \times 40 =$ _____	f) $6,094 \times 60 =$ _____

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 9 13/11/24 14:11

2 Ko‘paytiring.

a) 0,436 × 400 = _____	b) 2,02 × 300 = _____
c) 0,27 × 500 = _____	d) 31,4 × 600 = _____
e) 1,006 × 700 = _____	f) 51,28 × 900 = _____

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 10 13/11/24 14:11

3 Ko‘paytiring.

a) 0,35 × 3000 = _____	b) 6,8 × 2000 = _____
c) 2,005 × 5000 = _____	d) 8,12 × 8000 = _____
e) 9,27 × 4000 = _____	f) 7,3 × 9000 = _____

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 11 13/11/24 14:11

4 Agar bitta pishgan g‘ishtning massasi 1,35 kg bo‘lsa, 100 ta shunday g‘ishtning massasi qancha bo‘ladi?

5 Donoda 50 ta tasma bor. Har bir tasmaning uzunligi 1,8 m ga teng. 50 ta tasmaning jami uzunligi necha metr?

6 Kichik idishda 0,425 ℓ ichimlik bor. Xuddi shunday 30 ta kichik idishdagi ichimlik katta idishga quyildi. Katta idishdagi ichimlikning umumiy hajmi necha litr?

7 Bitta kitobning massasi 0,85 kg. Xuddi shunday 4000 ta kitobning jami massasi qancha?

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Ism: Sinf: Sana:

O‘nli kasrni 10, 100 va 1000 ga bo‘lish

D1 3-topshiriq

1 Bo‘ling.

a)

÷10

Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
	1	0 ,	0	1	
		,			

b)

÷10

Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
2	4	6 ,	8		
		,			

c)

÷10

Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
3	5	9 ,	0	3	
		,			

2 Bo‘ling.

a) 0,8 ÷ 10 = _____	b) 0,04 ÷ 10 = _____
c) 0,15 ÷ 10 = _____	d) 1,69 ÷ 10 = _____
e) 25,03 ÷ 10 = _____	f) 752,49 ÷ 10 = _____

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 13 13/11/24 14:11

3 Bo‘ling.

a)

÷100

Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
0 ,	4		
,			

b)

÷100

O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
1	2 ,	4		
	,			

c)

÷100

Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
4	3	0 ,			
		,			

4 Bo‘ling.

a) 8,1 ÷ 100 = _____	b) 16,4 ÷ 100 = _____
c) 328 ÷ 100 = _____	d) 220,1 ÷ 100 = _____
e) 7940 ÷ 100 = _____	f) 2600,9 ÷ 100 = _____

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5 Bo‘ling.

a)

÷1000

Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
	1	7	,		
			,		

b)

÷1000

Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar	Mingdan birlar
2	5	3	,		
			,		

c)

÷1000

Minglar	Yuzlar	O‘nlar	Birlar	O‘ndan birlar	Yuzdan birlar
8	4	2	0	,	
				,	

6 Bo‘ling.

a) 4 ÷ 1000 = _____	b) 15 ÷ 1000 = _____
c) 206 ÷ 1000 = _____	d) 3297 ÷ 1000 = _____
e) 16 483 ÷ 1000 = _____	f) 436 012 ÷ 1000 = _____

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 15 13/11/24 14:11

7 Tushirib qoldirilgan sonlarni yozing.

a) 407 ÷ _____ = 4,07

b) 35,04 ÷ _____ = 3,504

c) 2700 ÷ _____ = 2,7

d) 57,8 ÷ _____ = 0,578

e) 120,86 ÷ _____ = 12,086

f) 138,9 ÷ _____ = 1,389

g) 36 084 ÷ _____ = 36,084

h) 6203,42 ÷ _____ = 620,342

i) 72 904 ÷ _____ = 729,04

j) 128 900 ÷ _____ = 128,9

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 16 13/11/24 14:11

Ism: Sinf: Sana:

O‘nli kasrni o‘nlik, yuzlik va mingliklarga bo‘lish

D2 4-topshiriq

1 Bo‘ling.

a) 0,3 ÷ 30 = _____	b) 0,74 ÷ 20 = _____
c) 1,2 ÷ 40 = _____	d) 6,54 ÷ 60 = _____
e) 10,32 ÷ 80 = _____	f) 11,07 ÷ 90 = _____

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2 Bo‘ling.

a) 39 ÷ 300 = _____	b) 276 ÷ 400 = _____
c) 0,2 ÷ 200 = _____	d) 575 ÷ 500 = _____
e) 824 ÷ 800 = _____	f) 36 ÷ 900 = _____

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 18 13/11/24 14:11

3 Bo‘ling.

a) 4 ÷ 2000 = _____	b) 36 ÷ 9000 = _____
c) 832 ÷ 4000 = _____	d) 1078 ÷ 7000 = _____
e) 4566 ÷ 6000 = _____	f) 1150 ÷ 5000 = _____

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 19 13/11/24 14:11

4 200 ta bir xil g‘ishtning massasi 570 kg. Bitta g‘ishtning massasi necha kilogramm?

5 39,6 m li tasma teng 30 ta bo‘lakka bo‘lindi. Har bir bo‘lak uzunligini toping.

6 50 kishi konsertga chipta sotib oldi. Chiptalarning narxi bir xil. Agar 50 ta chiptadan yig‘ilgan pul miqdori 2 250 000 so‘m bo‘lsa, bitta chiptaning narxini toping.

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 20 13/11/24 14:11

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

O‘lchov birliklarini almashtirish

D1 5-topshiriq

1 O‘lchov birliklarini biridan ikkinchisiga o‘tkazing.

a) 82 m = _____ cm	b) 12,5 m = _____ cm
c) 0,46 m = _____ cm	d) 13,5 km = _____ m
e) 1,96 km = _____ m	f) 10,06 km = _____ m

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2 O‘lchov birliklarini biridan ikkinchisiga o‘tkazing.

a) 0,951 ℓ = _____ ml	b) 5,7 ℓ = _____ ml
c) 17,45 ℓ = _____ ml	d) 0,201 kg = _____ g
e) 1,1 kg = _____ g	f) 15,18 kg = _____ g

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3 O‘lchov birliklarini biridan ikkinchisiga o‘tkazing.

a) 2 cm = _____ m	b) 16 cm = _____ m
c) 184 cm = _____ m	d) 14 m = _____ km
e) 258 m = _____ km	f) 33 003 m = _____ km

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 23 13/11/24 14:11

4 O‘lchov birliklarini biridan ikkinchisiga o‘tkazing.

a) 56 ml = _____ ℓ	b) 703 ml = _____ ℓ
c) 4729 ml = _____ ℓ	d) 615 g = _____ kg
e) 8028 g = _____ kg	f) 98 732 g = _____ kg

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 24 13/11/24 14:11

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

D1 6-topshiriq

1 O‘lchov birliklarini biridan ikkinchisiga o‘tkazing.

a) 10 m 5 cm = _____ m	b) 35 m 12 cm = _____ m
c) 9 km 800 m = _____ km	d) 15 km 65 m = _____ km
e) 5 ℓ 300 ml = _____ ℓ	f) 23 kg 25 g = _____ kg

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2 Metr va santimetrda ifodalang.

a) 8,05 m = _____ m _____ cm	b) 26,38 m = _____ m _____ cm

3 Kilometr va metrda ifodalang.

a) 12,6 km = _____ km _____ m	b) 45,152 km = _____ km _____ m

4 Bo‘sh joylarni to‘ldiring.

a) 18,205 kg = _____ kg _____ g

b) 36,18 ℓ = _____ ℓ _____ ml

c) 105,475 ℓ = _____ ℓ _____ ml

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 26 13/11/24 14:11

Ism: Sinf: Sana:

Matnli masalalar

D1 7-topshiriq

Matnli masalalarni yeching. Javobning to‘g‘riligini tekshiring.

1. Birinchi tasma 2,4 m. Ikkinchi tasma esa birinchi tasmaga qaraganda 0,85 m uzunroq. Ikkinchi tasmaning uzunligi necha metr?

2. Kamola ko‘ylak sotib oldi va sotuvchiga 100 ming so‘m berdi. Agar Kamola 38,10 ming so‘m qaytim olgan bo‘lsa, ko‘ylakning narxi qancha?



3. 15 ta bir xil qutidagi quruq sutning umumiy massasi 20,4 kg. Bitta qutidagi quruq sutning massasi qancha?

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4 Sardor multfilm qahramonlarining rasmini yig‘adi. Bitta rasmning narxi 0,75 ming so‘m. Sardor 34 ta shunday rasm sotib olishi uchun jami qancha to‘lashi kerak?

5 To‘g‘ri to‘rtburchakning bo‘yi 42,8 m va eni 23 m ga teng. Uning yuzini toping.

6 439 614 so‘m pul 28 nafar kishiga teng taqsimlandi. Har bir kishi qanchadan pul olgan?

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 28 13/11/24 14:11

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

D2 8-topshiriq

Matnli masalalarni yeching. Javobning to‘g‘riligini tekshiring.

1. Bir taxlam qog‘ozsochiqning massasi 14,5 g. 168 taxlam qog‘ozsochiqning massasi qancha? Javobni kilogrammda ifodalang.

2. Idishda dastlab 14 525 ml suv bor edi. Suvning bir qismi 19 ta bir xil shisha idishga teng miqdorda quyilganidan so‘ng idishda 0,75 ℓ suv qoldi. Har bir shisha idishdagi suvning hajmi qancha? Javobni litrda ifodalang.

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3 20 ta idishning har birida 5,25 kg dan shakar bor edi. Zilola opa jami shakarni har biri 3 kg dan bo‘lgan kichik idishlarga joyladi. Zilola opa shakarni nechta kichik idishga joylagan?

4 Ikkita sonning yig‘indisi 112,5 ga teng. Agar katta son kichigidan 5 marta katta bo‘lsa, shu ikki sonni toping.

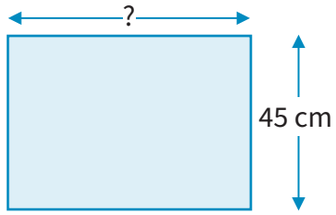
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5 Dastlab birinchi idishda ikkinchi idishdagiga qaraganda 4 marta ko‘p suv bor edi. Birinchi idishdan 1,05 ℓ suv ikkinchi idishga quyilganidan so‘ng ikkala idishdagi suv miqdori teng bo‘ldi. Ikkinchi idishdagi suvning hajmi qancha bo‘ldi?

6 Sumkaning narxi 35,60 ming so‘m, ryukzakning narxi esa 42,70 ming so‘m. 3 ta sumka va 8 ta ryukzakning jami narxi qancha?

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7 Dono 2,1 m uzunlikdagi simdan to‘g‘ri to‘rtburchak yasadi. Agar to‘g‘ri to‘rtburchakning bo‘yi 45 cm bo‘lsa, eni necha santimetrga teng?



8 Etikning narxi tufli narxidan 38,50 ming so‘mga, shippak narxidan esa 5 marta qimmat. 4 ta shunday shippakning narxi 84,80 ming so‘m bo‘lsa, tuflining narxini toping.

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

D3 9-topshiriq

Matnli masalalarni yeching. Javobning to‘g‘riligini tekshiring.

1 Fozil, Javlon va Ravshanning umumiy vazni 154,2 kg. Agar Javlon Ravshandan 10,48 kg, Fozildan esa 9,23 kg og‘ir bo‘lsa, Ravshanning vaznini toping.

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2 Maftuna va Barnoning umumiy vazni 90,45 kg. Maftuna va Anoraning umumiy vazni esa 61,2 kg. Agar Barno Anoradan 4 marta og‘ir bo‘lsa, Maftunaning vaznini toping.

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3 Kamola dushanbadan jumagacha har kuni 4000 so‘mdan yig‘adi. Shanba va yakshanba kunlari esa 10 000 so‘mdan yig‘adi. Agar Kamola pul yig‘ishni dushanbadan boshlagan bo‘lsa, 300 000 so‘m yig‘ishi uchun unga necha kun kerak bo‘ladi?

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4 Sanjar bitta qog‘ozjild va 3 ta bir xil ruchka uchun 3285 so‘m to‘ladi. Laziz esa 2 ta qog‘ozjild va 8 ta bir xil ruchka uchun 8350 so‘m to‘ladi. 1 ta ruchkaning narxini toping.

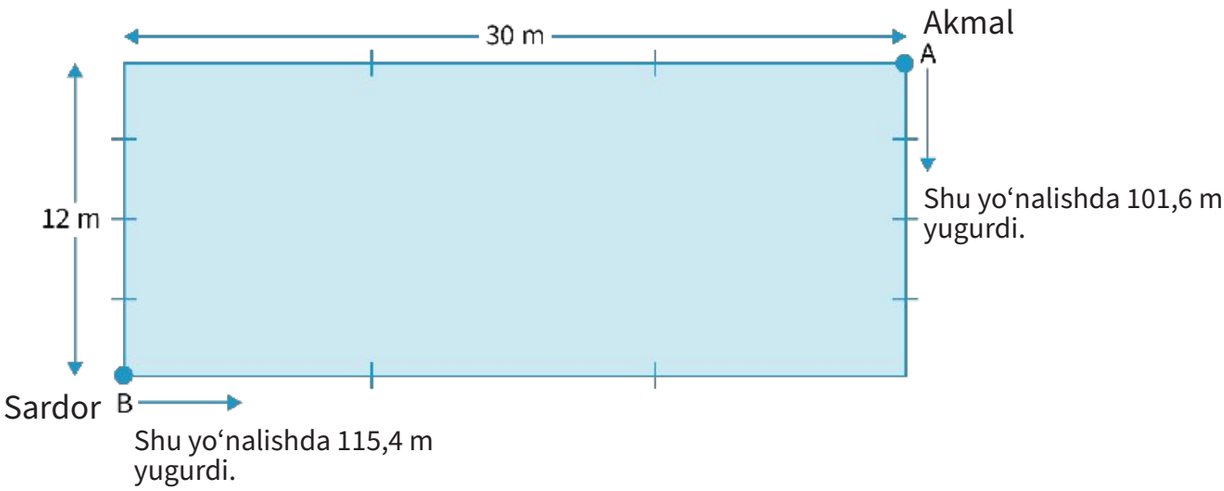
38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 36 13/11/24 14:11

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

Amaliy topshiriq

Perimetr tushunchasidan foydalanib joylashuvni aniqlang va ikkita nuqta orasidagi masofani toping.

Quyidagi chizmada tomonlari 30 m va 12 m bo‘lgan to‘g‘ri to‘rtburchak shaklidagi maydon tasvirlangan. Akmal A nuqtadan, Sardor esa B nuqtadan maydonning perimetri bo‘ylab ko‘rsatilgan yo‘nalish bo‘yicha yugurdi.



Akmal 101,6 m va Sardor 115,4 m yugurdi.

a) Sardor va Akmalning qayerda to‘xtaganini to‘g‘ri to‘rtburchakda belgilang.

b) Sardor va Akmal to‘xtagan joylar orasidagi maydon perimetri bo‘ylab qisqa masofani toping.

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Muammoli topshiriq

Rasul 8 ta futbolka sotib olmoqchi bo‘lganida unga 8,10 ming so‘m yetmadi. Natijada u 5 ta futbolka sotib oldi va 12,60 ming so‘m puli ortib qoldi. U 20 ta shunday futbolka sotib olish uchun qancha to‘lashi kerak?

- Masalani tushundingizmi?
- Reja tuzing.
- Masalani yeching.
- Yechimni tekshirishni unutmang.

Reja

Yechish



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Tekshirish

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Matematika kundaligi



Akmal kalkulyatordan foydalanmasdan ko‘paytirishni 0,2 × 0,3 = 0,6 kabi bajardi. U ko‘paytirishni quyidagicha tushuntirdi:

$$2 \times 3 = 6$$

0,2 va 0,3 kasrlarning kasr qismida bitta xona bo‘lgani uchun ko‘paytmaning kasr qismida ham bitta xona bo‘ladi. Ko‘paytma 0,6 ga teng.

Akmal ko‘paytirishni noto‘g‘ri tushuntirdi va uning javobi xato. Kalkulyatordan foydalanmasdan to‘g‘ri javobni qanday topish mumkinligini tushuntiring.

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Ism: Sinf: Sana:

8 Me’yor

Me’yorni topish

D1 1-topshiriq

Matnli masalalarni yeching.

1 Yuzi 20 m^2 bo‘lgan polni qoplaydigan gilam sotib olish uchun 3 800 000 so‘m kerak bo‘ladi. Bir kvadrat metr gilamning narxi qancha?



2 Mashina 280 km masofani bosib o‘tish uchun 25 ℓ benzin sarflagan bo‘lsa, 1 ℓ benzin bilan u qancha masofaga yura oladi?

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3 Temur aka mashinasini savdo markazi oldidagi avtoturargohga 3 soat qo‘ygani uchun 25 500 so‘m to‘ladi. Avtoturargoh xizmatining bir soatlik narxini toping.

4 Ra’no kompyuterda 5 minutda 75 ta so‘z teradi. U bir minutda nechta so‘z teradi?

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5 Nusxalovchi apparat 3 minutda 45 ta sahifani nusxalaydi. Uning nusxalash tezligi minutiga qancha?

6 Ishchi 6 soatlik ish uchun 87 000 so‘m oladi. Uning bir soatlik ish haqi qancha?

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7 Konsert uchun 10 kishilik chipta 105 000 so‘mga sotildi. Bitta chiptaning narxi qancha?

8 Jo‘mrak orqali 88 ℓ suvni 5 minutda oqizish mumkin. Shu jo‘mrak orqali bir minutda qancha suvni oqizish mumkin?

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Ism: Sinf: Sana:

Me’yorga ko‘ra umumiy miqdorni topish

D1 2-topshiriq

Matnli masalalarni yeching.

1. Jo‘mrak orqali hovuzdagi 840 ℓ suvni 30 minutda to‘liq oqizib yuborsa bo‘ladi.
   a) Hovuzdan 1 minutda qancha suv oqiziladi?
   b) Hovuzdan 4 minutda qancha suv oqiziladi?

2. Fabrikada 5 kunda 2865 ta stul ishlab chiqariladi.
   a) Fabrikada bir kunda nechta stul ishlab chiqariladi?
   b) Fabrikada 11 kunda nechta stul ishlab chiqariladi?

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3 Printer 80 sekundda bitta hujjatni 160 nusxada chop eta oladi.

a) Printer 1 sekundda bu hujjatni necha nusxada chop eta oladi?
b) Printer 1 minutda bu hujjatni necha nusxada chop eta oladi?

4 Tort pishirishda har 700 g un uchun 10 ta tuxum ishlatilishi kerak. 15 ta tuxum ishlatish uchun qancha un kerak bo‘ladi? Javobni grammlarda ifodalang.

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

D2 3-topshiriq

Matnli masalalarni yeching.

1 Jadvalda avtoturargoh xizmatining narxi keltirilgan.

Avtoturargoh xizmati	
Dastlabki bir soatgacha	10 500 so‘m
Qo‘shimcha har yarim soat uchun	10 000 so‘m

Muhammad aka mashinasini 8:00 dan 11:30 gacha avtoturargohda qoldirib ketdi. U jami qancha to‘lashi kerak?

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2 Jadvalda velosipedlarni ijaraga berish narxi keltirilgan.

Velosiped ijarasi	
Dastlabki bir soatgacha	20 000 so‘m
Qo‘shimcha har yarim soat uchun	9000 so‘m

Jamol velosipedni 14:30 dan 17:00 gacha ijaraga olmoqchi bo‘ldi.
U qancha to‘lashi kerak?

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3 Jadvalda shahar pochta xizmatining turli massadagi jo‘natmalarni yetkazib berish narxlari keltirilgan.

Jo‘natma massasi	Pochta xizmati narxi
50 g gacha	8000 so‘m
100 g gacha	15 000 so‘m
200 g gacha	25 000 so‘m

Dono 130 g li bitta va 80 g li ikkita jo‘natmani pochta xizmati orqali shaharning uchta turli nuqtasiga jo‘natmoqchi bo‘ldi. U jami qancha to‘lashi kerak?

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4 Kamol aka kuniga 80 000 so‘m ishlab topadi. Kunlik me’yordan ortiqcha ishlagan har bir soati uchun esa qo‘shimcha 5000 so‘mdan haq oladi. Agar 5 kun davomida har kuni qo‘shimcha 3 soatdan ishlagan bo‘lsa, Kamol aka jami qancha haq oladi?

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Ism: Sinf: Sana:

Birliklar sonini topish

D1 4-topshiriq

Matnli masalalarni yeching.

1. Sevara opa 8 soat ishlab, 112 000 so‘m ish haqi oladi. U 168 000 so‘m olishi uchun necha soat ishlashi kerak?

2. Uskuna 15 minutda 750 ta detalga ishlov beradi. U qancha vaqtda 1000 ta shunday detalga ishlov beradi?

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3 16 m^2 li polga kafel terish narxi 3 680 000 so‘m. Nodir aka yuvinish xonasiga kafel tergan ustaga 6 440 000 so‘m to‘ladi. Yuvinish xonasi polining yuzi qancha?

4 Meva rastasida 100 g gilosning narxi 2500 so‘m. Aziza opa gilos sotib oldi va 62 500 so‘m to‘ladi. U necha kilogramm gilos sotib olgan?

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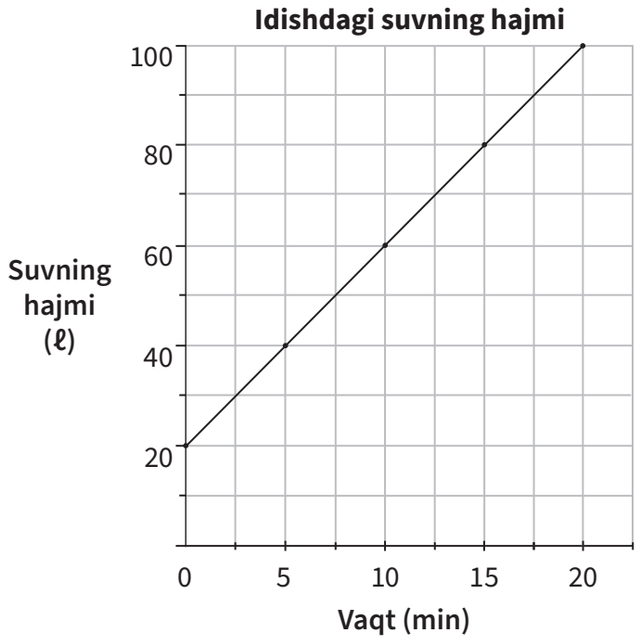
Ism: Sinf: Sana:

Matnli masalalar

D2 5-topshiriq

Matnli masalalarni yeching.

1 Dastlab kuboid shaklidagi idishning bir qismi suv bilan to‘ldirildi. So‘ng jo‘mrak ochib qo‘yildi va idish 20 minutda to‘liq to‘ldi. Quyidagi suv hajmining vaqtga nisbatan grafigida 5 minutlik vaqt oralig‘i bilan 20 minutgacha qancha miqdorda suv to‘lishi ifodalangan.

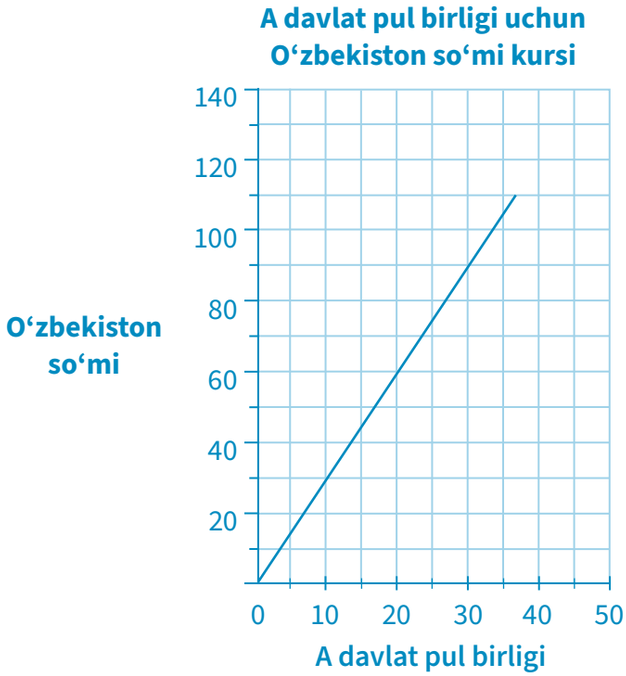


a) Jo‘mrakdan minutiga necha litr suv tushadi?

b) Necha minutda idishga 40 ℓ suv quyiladi?

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2 Quyidagi chiziqli diagrammada A davlat pul birligini O‘zbekiston so‘miga ayirboshlash kursi keltirilgan.



a) A davlatning 1 pul birligi necha so‘mga teng?

b) A davlatning 20 pul birligini necha so‘mga ayirboshlash mumkin?

c) A davlatning qancha pul birligini 90 so‘mga ayirboshlash mumkin?

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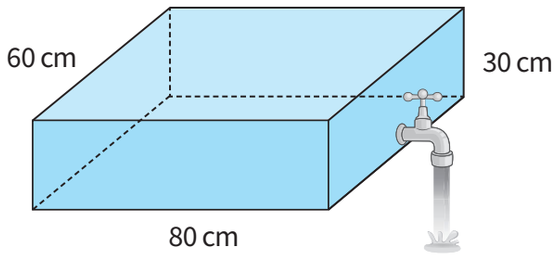
3 Jadvalda turizm firmasining Buxoro shahriga sayohat narxlari keltirilgan.

Buxoro shahriga sayohat narxlari		
Sayohat turi	**Kattalar uchun (bir kishilik narx)**	**12 yoshdan kichik bolalar uchun (bir kishilik narx)**
Standart	400 000 so‘m	230 000 so‘m
Lyuks	650 000 so‘m	260 000 so‘m
Premium	850 000 so‘m	380 00 so‘m

Ravshan aka turmush o‘rtog‘i, o‘n va o‘n bir yoshli farzandlari bilan Buxoro shahriga sayohatga bordi. U oilasi uchun sayohatning lyuks turini tanladi. Ravshan aka sayohat uchun jami qancha pul to‘lashi kerak?

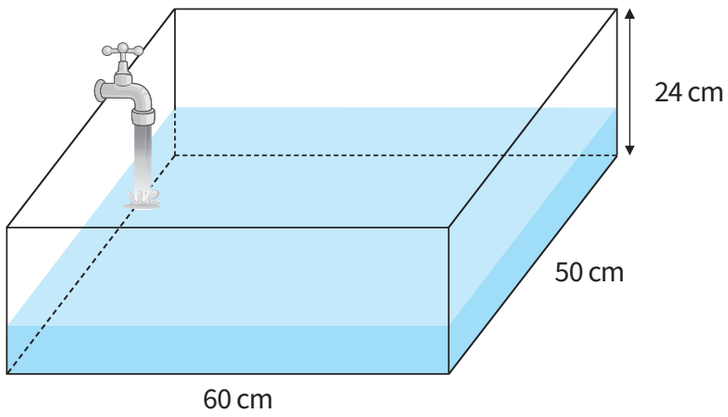
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4 O‘lchamlari 80 cm, 60 cm va 30 cm bo‘lgan kuboid shaklidagi idish suv bilan to‘ldirildi. Idishdan suvni chiqarish uchun jo‘mrak ochib yuborildi va minutiga 9 ℓ tezlik bilan suv oqa boshladi. Qancha vaqt ichida idishdagi suvning $\frac{3}{4}$ qismi oqib ketadi?



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5 Kuboid shaklidagi idishning bo‘yi 60 cm, eni 50 cm va balandligi 24 cm bo‘lib, dastlab uning $\frac{1}{3}$ qismi suv bilan to‘ldirildi. Idishni to‘liq to‘ldirish uchun jo‘mrak ochib qo‘yildi va minutiga 3 ℓ tezlik bilan suv tusha boshladi. Qancha vaqtda idish to‘ladi? Javobni minutlarda ifodalang.



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6 Supermarketda 5 ta olma 20 000 so‘mga, 10 ta olma esa 35 000 so‘mga sotiladi. Anora opa 55 ta olmani arzonroq sotib olmoqchi. U buning uchun qancha to‘lashi kerak?

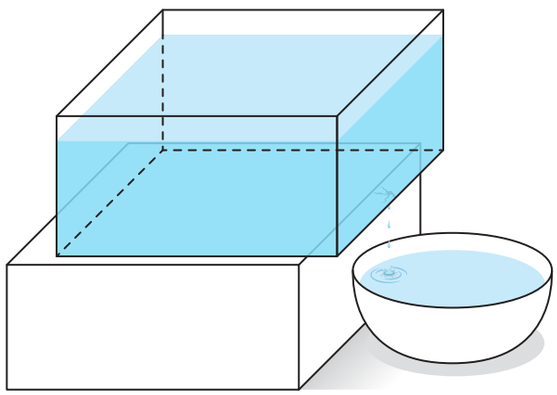
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Ism: **Sinf:** **Sana:**

D3 6-topshiriq

Matnli masalalarni yeching.

1. Suv to‘ldirilgan konteynerdan soat 9:10 da suv oqishni boshladi. Suvni to‘plash uchun uning tagiga idish qo‘yildi. Soat 9:30 da idishda 3,3 ℓ suv to‘plandi. Konteynerdagi suvni batamom bo‘shatish uchun 50 minut vaqt ketdi. Konteynerning sig‘imi qancha? Javobni litr va millilitrda ifodalang.



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2 Zavoddagi uskuna 2 ℓ lik bankani meva sharbati bilan to‘ldiradi. Agar uskuna bir minutda 1400 ta bankani to‘ldira olsa, 5 soatda necha litr sharbatni bankalarga quyadi?

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

Amaliy topshiriq



Narxi va miqdoriga ko‘ra mahsulotlarning umumiy qiymatini hisoblang.

Juftlikda ishlang.

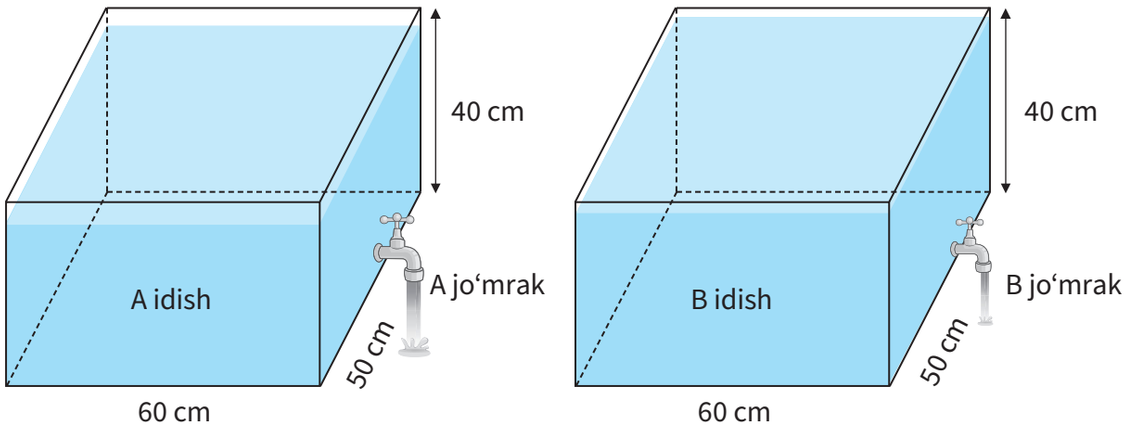
Quyidagi bo‘sh joyga do‘kondan xarid qilingan mahsulotlarning kassa cheki nusxasini qo‘ying.

Ushbu kassa chekidagi bitta mahsulotni tanlang va uning miqdorini o‘lchov birliklariga ko‘ra narxini tushuntiring. Mahsulotning umumiy qiymati qanday hisoblanganini ko‘rsating.

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Muammoli topshiriq

Ikkita bir xil kuboid shaklidagi A va B idishlar suv bilan to‘ldirildi. Har bir idishning o‘lchami 60 cm, 50 cm va 40 cm. Agar A idishning jo‘mragi ochib qo‘yilsa, minutiga 3 ℓ tezlik bilan suv oqadi. Agar B idishning jo‘mragi ochib qo‘yilsa, minutiga 2 ℓ tezlik bilan suv oqadi. Ikkala idishning jo‘mragi bir xil vaqtda ochib qo‘yildi. Idishlardagi suvning to‘liq oqib ketish vaqti orasidagi farqni toping.



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

Reja

Yechish

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Tekshirish

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Matematika kundaligi



E’londa X va Y printerlarning chop etish tezligi ko‘rsatilgan.



Akmalning tushuntirishi:
X printer 5 minutda 400 ta sahifa chop etadi. Y printer esa 8 minutda 600 ta sahifa chop etadi. Y printer 3 minut ko‘proq vaqtda X printerdan 200 ta ko‘p sahifa chop etadi. Shuning uchun Y printer X printerga qaraganda tezroq ishlaydi.

Akmalning javobi to‘g‘rimi?
Akmalga X va Y printerdan qaysi biri tezroq ishlashini topish uchun ish sur’atlarini qanday taqqoslashni ko‘rsating.

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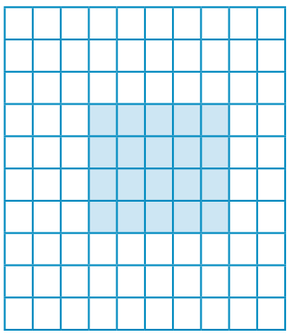
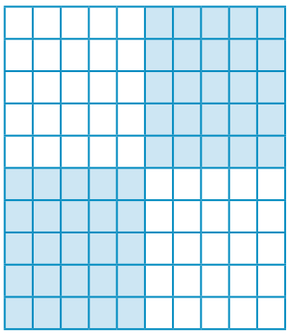
9 Foizlar

Eslang



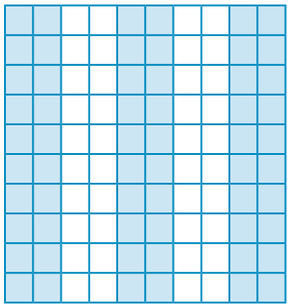
Bir butunning qismlari

1 100 ta katakdan iborat kvadratning bo‘yalgan va bo‘yalmagan qismlarini oddiy va o‘nli kasr ko‘rinishida ifodalang.

Shakl	Oddiy kasr	O‘nli kasr
a) 	Bo‘yalgan qismi: $\frac{\square}{100} = \frac{\square}{\square}$	Bo‘yalgan qismi:
	Bo‘yalmagan qismi: $\frac{\square}{100} = \frac{\square}{\square}$	Bo‘yalmagan qismi:
b) 	Bo‘yalgan qismi: $\frac{\square}{100} = \frac{\square}{\square}$	Bo‘yalgan qismi:
	Bo‘yalmagan qismi: $\frac{\square}{\square} = \frac{\square}{\square}$	Bo‘yalmagan qismi:

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2 Shaklning bo‘yalgan va bo‘yalmagan qismlarini oddiy va o‘nli kasr ko‘rinishida ifodalang.

Shakl	Oddiy kasr	O‘nli kasr
	Bo‘yalgan qismi:	Bo‘yalgan qismi:
	Bo‘yalmagan qismi:	Bo‘yalmagan qismi:

3 Tushirib qoldirilgan sonlarni yozing.

a) $\frac{3}{4} = \frac{\square}{100}$

b) $\frac{7}{20} = \frac{\square}{100}$

c) $\frac{23}{25} = \frac{\square}{100}$

d) $\frac{31}{50} = \frac{\square}{100}$

e) $\frac{4}{5} = \frac{\square}{100}$

f) $\frac{9}{10} = \frac{\square}{100}$

4 Tushirib qoldirilgan sonlarni yozing.

a) $0{,}7 = \frac{\square}{100}$

b) $0{,}29 = \frac{\square}{100}$

c) $0{,}08 = \frac{\square}{100}$

d) $0{,}73 = \frac{\square}{100}$

e) $0{,}01 = \frac{\square}{100}$

f) $0{,}96 = \frac{\square}{100}$

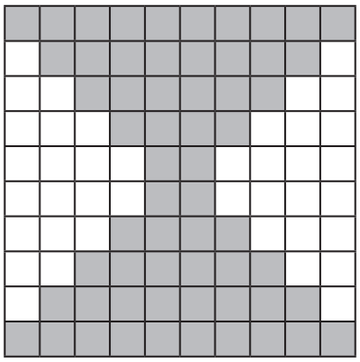
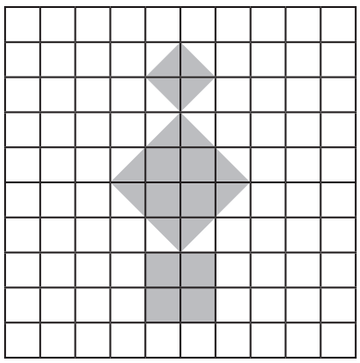
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Ism: Sinf: Sana:

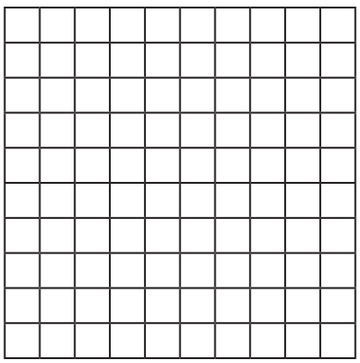
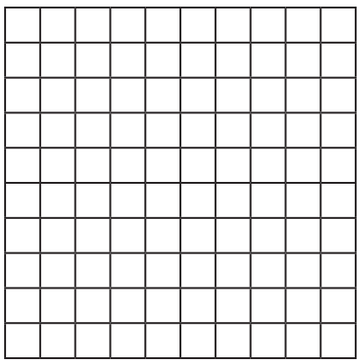
Foiz tushunchasi

D1 1-topshiriq

1 Quyida 100 ta katakdan iborat kvadrat tasvirlangan. Uning bo‘yalgan va bo‘yalmagan qismlarini foizlarda ifodalang.

a) 	b) 
Butunning ____ foizi bo‘yalgan. Butunning ____ foizi bo‘yalmagan.	Butunning ____ foizi bo‘yalgan. Butunning ____ foizi bo‘yalmagan.

2 Berilgan foizni ko‘rsatish uchun kvadratning mos miqdordagi kataklarini bo‘yang.

a) Kvadratning 9% ini bo‘yang. 	b) Kvadratning 73% ini bo‘yang. 

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3 Bo‘sh joylarni to‘ldiring.

a) 100 dan 85 = _____%

b) 100 dan 34 = _____%

c) 100 dan _____ = 52%

d) _____ dan 26 = 26%

e) _____ dan 19 = 19%

f) 100 dan _____ = 73%

4 Jadvalni to‘ldiring.

Foiz	Oddiy kasr	O‘nli kasr
6%	$\frac{6}{100}$ yoki $\frac{3}{50}$	0,06
	$\frac{33}{100}$	
90%		
		0,18
84%		

5 Lola opada 100 ta shirin kulcha bor. Ulardan 42 tasi shokoladli. Shokoladli kulchalar jami kulchalarning necha foizini tashkil etadi?

Shirin kulchalarning _____ foizi shokoladli.

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Ism: Sinf: Sana:

Oddiy kasr, o‘nli kasr va foizlar orasidagi munosabatlar

D1 2-topshiriq

1 Berilgan oddiy kasrlarni foiz ko‘rinishida ifodalang.

a) $\frac{2}{10}=$	b) $\frac{10}{10}=$
c) $\frac{1}{2}=$	d) $\frac{4}{5}=$
e) $\frac{12}{25}=$	f) $\frac{9}{20}=$
g) $\frac{33}{50}=$	h) $\frac{78}{200}=$
i) $\frac{32}{40}=$	j) $\frac{100}{125}=$

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2 Berilgan o‘nli kasrlarni foiz ko‘rinishida ifodalang.

a) 0,58 =	b) 0,02 =
c) 0,4 =	d) 0,63 =
e) 0,19 =	f) 0,89 =

3 Berilgan foizlarni qisqarmas oddiy kasr ko‘rinishida ifodalang.

a) 15% =	b) 4% =
c) 20% =	d) 5% =
e) 36% =	f) 88% =

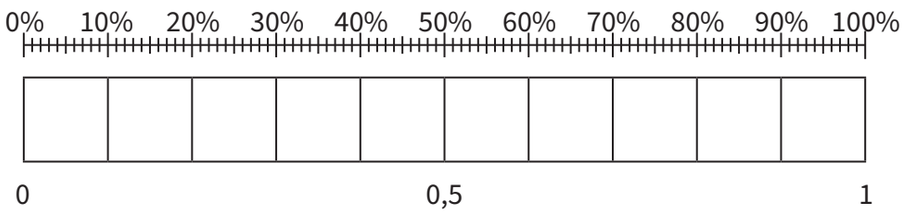
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4 Berilgan foizlarni o‘nli kasr ko‘rinishida ifodalang.

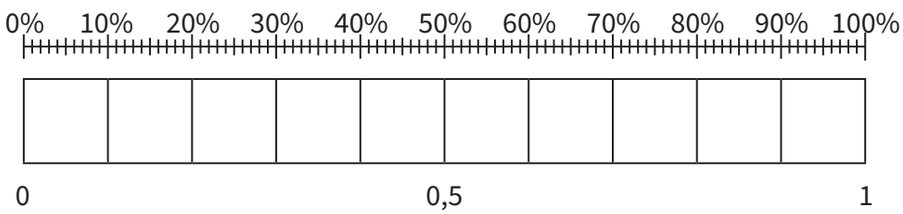
a) 3% =	b) 77% =
c) 90% =	d) 49% =

5 Berilgan foizni ko‘rsatish uchun shaklning kerakli qismini bo‘yang. Foizni oddiy va o‘nli kasrlarda ifodalang.

a) 30% = _____ = _____
(oddiy kasr) *(o‘nli kasr)*



b) 7% = _____ = _____
(oddiy kasr) *(o‘nli kasr)*



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6 Har bir foizga teng oddiy kasr va o‘nli kasrlarni chiziqlar bilan tutashtiring.

Foiz	Oddiy kasr	O‘nli kasr
25%	$\frac{2}{5}$	0,12
40%	$\frac{1}{4}$	0,40
80%	$\frac{3}{25}$	0,35
12%	$\frac{7}{20}$	0,25
10%	$\frac{4}{5}$	0,80
35%	$\frac{1}{10}$	0,1

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Ism: Sinf: Sana:

Miqdorning foizi

D1 3-topshiriq

1 Quyidagi miqdorlarning berilgan foizini toping.

a) 500 g ning 80 foizi	b) 6000 so‘mning 25 foizi
c) 1000 km ning 37 foizi	d) 1200 ℓ ning 18 foizi
e) 200 kg ning 32 foizi	f) 1800 g ning 45 foizi
g) 300 ballning 4 foizi	h) 400 ta nuqtaning 90 foizi

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2 Quyidagi qiymatlarni toping.

a) 100 ning necha foizi 78 ga teng?

b) 200 ning necha foizi 40 ga teng?

c) 320 so‘mning necha foizi 80 so‘mga teng?

d) 2000 ml ning necha foizi 600 ml ga teng?

e) 4000 kg ning necha foizi 2500 kg ga teng?

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

D1 4-topshiriq

Matnli masalalarni yeching.

1. Xususiy maktabda 800 nafar o‘quvchi o‘qiydi. Ularning 15 foizi maktabga piyoda qatnaydi. Necha nafar o‘quvchi maktabga piyoda qatnaydi?

2. Aziz akaning do‘konida 150 ta tort bor. Ularning 38 foizi – mevali tortlar. Do‘konda nechta mevali tort bor?

3. 500 kishi yugurish bo‘yicha marafonda ishtirok etmoqda. Ishtirokchilarning 46 foizi – ayollar. Marafonda necha nafar ayol qatnashmoqda?

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4 200 ta oila o‘rtasida o‘tkazilgan so‘rovnomaga ko‘ra, ularning 52 foizida ikkitadan ko‘p farzand bor. Nechta oiladagi farzandlar soni ikkitadan ko‘p?

5 Tayoqning uzunligi 180 cm bo‘lib, Dono uning 36 santimetrini qizil rangga bo‘yadi. Tayoqning necha foizi qizil rangga bo‘yaldi?

6 Matematika fanidan olingan testda 50 ta savol bo‘lib, Sardor ularning 44 tasiga to‘g‘ri javob berdi. U necha foiz savolga to‘g‘ri javob bergan?

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Ism: Sinf: Sana:

Matnli masalalar

D1 5-topshiriq

Matnli masalalarni yeching.

1 Kamolada 10 000 so‘m bor edi. U 2000 so‘mga muzqaymoq sotib oldi.
   a) Kamola pulining necha foiziga muzqaymoq sotib oldi?
   b) Unda pulining necha foizi qoldi?

2 Marafonda 850 nafar kishi ishtirok etmoqda. Ularning 42 foizi – ayollar, qolganlari esa erkaklar.
   a) Ishtirokchilarning necha nafari ayol kishi?
   b) Marafonda necha nafar erkak ishtirok etmoqda?

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3 Shirinliklar do‘konida sotuvchi jami 400 ta bananli, malinali va shokoladli tort sotdi. Sotilgan tortlarning 120 tasi bananli, 50 foizi esa shokoladli.

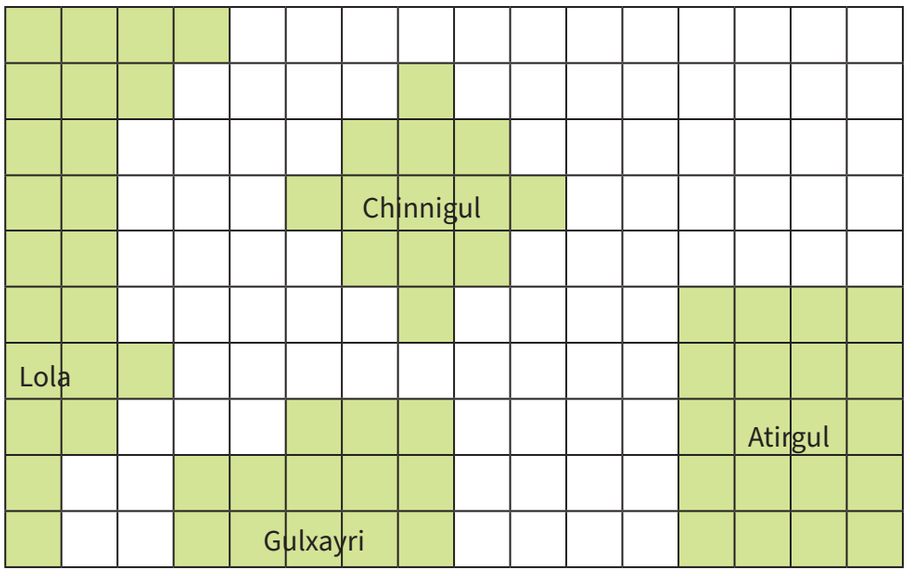
a) Sotilgan tortlarning necha foizi bananli?
b) Sotilgan tortlarning necha foizi malinali?

4 Idishda 240 ta tugma bor. Tugmalarning 30 foizi qizil, 25 foizi sariq va qolganlari ko‘k rangda.

a) Nechta tugma qizil rangda?
b) Nechta tugma ko‘k rangda?

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5 Bog‘ maydoni quyidagi chizmada ko‘rsatilganidek teng 160 qismga bo‘lingan. Har bir turdagi gulni ekish uchun bog‘ning necha foizidan foydalanilgan?



Jadvalni to‘ldiring.

Gul turi	Bog‘ maydonining ekish uchun foydalanilgan foizi
Gulxayri	
Chinnigul	
Atirgul	
Lola	

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6 Quyidagi jadvalda Kamolaning shanba kuni 24 soat davomida qilgan ishlari keltirilgan.

Qilingan ishlar	Sarflangan vaqt (soatda)
Ertalabki yugurish	2 h
Kitob o‘qish va uy vazifasini bajarish	6 h
Suzish darsi	2 h
Televizor ko‘rish	4 h
Nonushta, tushlik, kechki ovqat va yuvinish	2 h
Uxlash	? h
Jami	24 h

a) Jami vaqtning necha foizi kitob o‘qish va uy vazifasini bajarishga sarflangan?

b) U necha soat uxlagan?

c) Vaqtining necha foizini uxlash uchun sarflagan?
Javobni o‘ndan birlar xonasigacha yaxlitlab yozing.

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

D2 6-topshiriq

Matnli masalalarni yeching.

1. 5 km li masofaga yugurishda Dono jami yo‘lning 70 foizini, Kamola esa 65 foizini bosib o‘tdi. Ular bosib o‘tgan masofalar orasidagi farq qancha? Javobni metrda ifodalang.

2. Konsertdagi tomoshabinlarning 52 foizi – bolalar va 48 foizi – kattalar. Agar konsertga 600 kishi kirgan bo‘lsa, bolalar soni kattalar sonidan necha nafarga ko‘p?

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3 Temur akaning oylik maoshi 2 400 000 so‘m. Yanvarda u maoshining 40 foizini uy ijarasi hamda 30 foizini oziq-ovqat va yo‘lkira uchun sarfladi. Temur aka yanvar oyida necha so‘m tejab qoldi?

4 Anorada 160 ta ko‘k, yashil, qizil va oq munchoq bor. Jadvalda har bir rangdagi munchoq nechtadan ekani keltirilgan. Oq munchoqlar jami munchoqlar sonining necha foizini tashkil etadi?

Munchoqlar rangi	Munchoqlar soni
Ko‘k	32
Yashil	48
Qizil	60
Oq	?

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5 Asila va Barno ma’lum miqdordagi pulni bo‘lib olishdi. Asila olgan pul Barno olgan puldan 4 marta ko‘p bo‘lsa, Asila pulning necha foizini olgan?

6 Sardorda 540 ta sharcha bor. Sharchalarning 35 foizi ko‘k, 80 tasi qizil va qolgani yashil rangda. Unda nechta yashil sharcha bor?

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7 Botir va Nodir 45 000 so‘m pulni bo‘lib olishdi. Botir pulning 30 foizini, Nodir esa 70 foizini oldi. Botir Nodirga qaraganda qancha kam pul olgan?

8 Aziza opa bir nechta pirog pishirdi. Piroglarning 25 foizi olmali, qolganlari esa qulupnayli. Agar u pishirgan qulupnayli piroglar soni olmali piroglarga qaraganda 90 taga ko‘p bo‘lsa, Aziza opa nechta qulupnayli pirog pishirgan?

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Ism: Sinf: Sana:

QQS (qo‘shilgan qiymat solig‘i), chegirma va omonat foizi

D1 7-topshiriq

1 Berilgan mahsulotlarni sotib olish uchun QQS (qo‘shilgan qiymat solig‘i) bilan qancha pul to‘lash kerakligini aniqlang (QQS – 12%).

Buyumlar	Mahsulot uchun QQS miqdori va jami to‘lanishi kerak bo‘lgan pul miqdori (12% QQS bilan birgalikda)
a)  Mikroto‘lqinli pech	QQS miqdori = Jami to‘lanishi kerak bo‘lgan pul miqdori =
b)  Noutbuk	QQS miqdori = Jami to‘lanishi kerak bo‘lgan pul miqdori =
c)  Yumshoq mebel	QQS miqdori = Jami to‘lanishi kerak bo‘lgan pul miqdori =

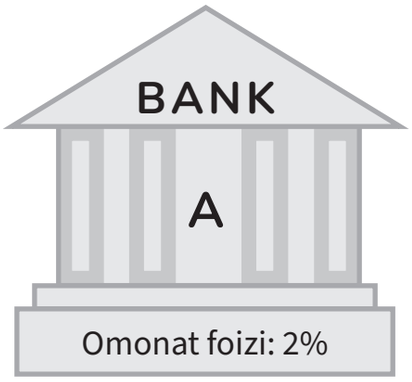
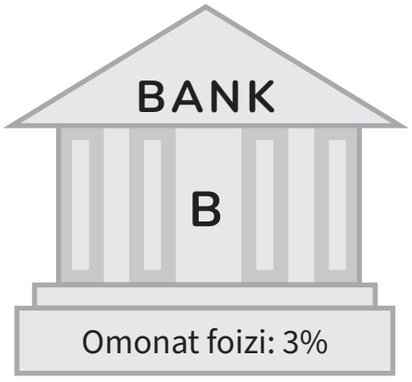
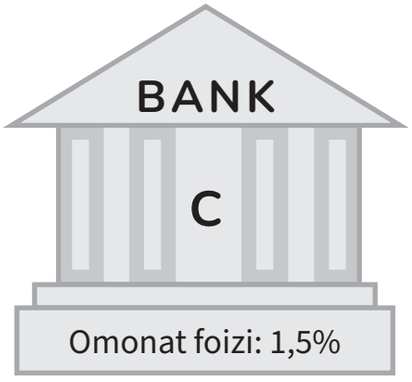
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2 Mahsulotlar uchun chegirma miqdori va ularning chegirmadan keyingi narxini toping.

Mahsulotlar	Chegirma va chegirmadan keyingi narx
a)  Tennis raketkasi	Chegirma = Chegirmadan keyingi narx =
b)  Kir yuvish mashinasi	Chegirma = Chegirmadan keyingi narx =
c)  Ko‘ylak	Chegirma = Chegirmadan keyingi narx =

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3 Banklarga qo‘yilgan omonatning yillik foydasi va yil oxiridagi umumiy miqdorini toping.

Bankka qo‘yilgan omonat miqdori	Omonatning yillik foydasi va jami miqdori
a)  Omonat miqdori 5000 AQSh dollari	Yillik foyda = Omonatning yil oxiridagi umumiy miqdori =
b)  Omonat miqdori 7500 AQSh dollari	Yillik foyda = Omonatning yil oxiridagi umumiy miqdori =
c)  Omonat miqdori 18 000 AQSh dollari	Yillik foyda = Omonatning yil oxiridagi umumiy miqdori =

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4 Mahsulot uchun QQS miqdori va jami to‘lanishi kerak bo‘lgan pul miqdorini toping (QQS – 12%).

Mahsulotlar	QQS miqdori va jami to‘lanishi kerak bo‘lgan pul miqdori
a)  Televizor	QQS miqdori = QQS bilan birgalikdagi narxi =
b)  Muzlatkich	QQS miqdori = QQS bilan birgalikdagi narxi =
c)  Stol va stullar to‘plami	QQS miqdori = QQS bilan birgalikdagi narxi =

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

Matnli masalalar

D2 8-topshiriq

Matnli masalalarni yeching.

1. Divanning narxi 2 600 000 so‘m. Yulduz opa divan sotib oldi va qo‘shimcha 12% QQS to‘ladi.
   a) U qancha QQS to‘lagan?
   b) Divanning QQS bilan birgalikdagi narxi qancha?



2. Kompyuterning asl narxi 4 098 000 so‘m. Ali kompyuterni 15% chegirma bilan sotib oldi.
   a) Chegirmaning qiymati qancha?
   b) Ali kompyuter uchun qancha to‘ladi?

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3 Salim aka bankka yillik 2,5% bilan 30 000 AQSh dollari omonat qo‘ydi.

a) U yil yakunida qancha foyda oladi?

b) Yil yakunida uning omonat hisobraqamida qancha pul bo‘ladi?

4 Sport oyoq kiyimining narxi 88 000 so‘m. Temur akaga uni 25% chegirma bilan sotishdi. U oyoq kiyim uchun qancha pul to‘lagan?

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5 Lobar opa bankda 4000 AQSh dollari bilan omonat hisobraqami ochdi. Yillik daromad 3% ni tashkil etadi. Yil yakunida uning hisobraqamida qancha pul bo‘ladi?

6 “Zarhal” kompaniyasi e’loniga ko‘ra, uyni ta’mirlash xizmatining narxi 195 000 so‘m. Aksiya davrida kompaniya 15% li chegirma taqdim etdi. Rustam aka uyni ta’mirlash uchun shu kompaniya xizmatidan foydalanmoqchi bo‘ldi. U aksiya davrida qancha to‘lashi kerak?

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7 Ikki do‘konda narxi 750 000 so‘m bo‘lgan bir xil planshet uchun quyidagi chegirmalar taqdim etildi.

“Xiva”	“Asaka”
 Narxi: 750 000 so‘m. **Chegirma** **15%**	 Narxi: 750 000 so‘m. **Chegirma** **100 000 so‘m**

Har bir do‘konda chegirmadagi planshetning narxi qancha bo‘ladi?
Qaysi do‘kon yaxshiroq narx taklif etdi?
Quyidagi bo‘sh joyda topshiriqni qanday bajarganingizni ko‘rsating.

“Xiva”
“Asaka”

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

Amaliy topshiriq

Butunning qismini foizda ifodalang.

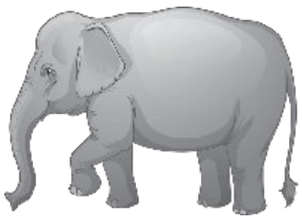
Juftlikda ishlang.

Quyidagi 400 ta katakdan iborat kvadratda hayvonot bog‘ining xaritasini tuzing. Har bir hayvonning qafasini turli rangga bo‘yang. Hayvonlarning qafasini belgilang.

Izoh: qafaslar orasida odamlar sayr qilishi uchun bo‘sh joy qoldiring.







a) Har bir hayvonning qafasi uchun ajratilgan joyning foizini toping.
b) Hayvonlarning qafasi uchun foydalanilmagan bo‘sh joylarning foizini toping.

Hayvonot bog‘i uchun tuzgan rejangizni sinfdoshlaringiz bilan o‘rtoqlashing.

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Muammoli topshiriq



Do‘konda bir qancha ko‘k va qizil ko‘ylaklar bor. Ko‘ylaklarning 20 foizi ko‘k rangda. Agar do‘konda 60 ta ko‘k ko‘ylak bo‘lsa, nechta qizil ko‘ylak bor?

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

Reja

Yechish

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Tekshirish

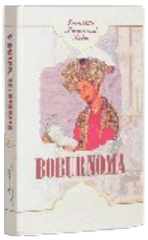
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Matematika kundaligi



Umida chegirmadagi kitoblardan 8 ta sotib olmoqchi bo‘ldi. Har bir kitobning narxi 10 000 so‘m. Uning fikricha, agar kitoblarni alohida-alohida sotib olsa, hammasini birdaniga sotib olganiga qaraganda arzonroq bo‘ladi.

Umidaning fikriga qo‘shilasizmi? Javobingizni ko‘rsating va tushuntiring.



Narxi: **10 000 so‘m.**

10% chegirma

Agar har bir kitob uchun alohida-alohida to‘lasam, 8 marta chegirmaga ega bo‘laman.

Agar 8 ta kitob uchun birdaniga to‘lasam, bir marta chegirmaga ega bo‘laman.

Kitoblarini alohida-alohida sotib olganim arzonroq emasmi?



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Ism: Sinf: Sana:

I TAKRORLASH

A bo‘lim

Topshiriqlarni diqqat bilan bajaring.
Bo‘sh joylarga javobni yozing.

1 Ko‘paytiring. Bo‘sh joylarni to‘ldiring.

a) 3,52 × 10 = _____

b) 0,61 × 10 = _____

c) 12,05 × 10 = _____

d) 9,3 × 100 = _____

e) 10,08 × 100 = _____

f) 0,843 × 100 = _____

g) 0,005 × 1000 = _____

h) 6,008 × 1000 = _____

i) 25,79 × 1000 = _____

j) 35,012 × 1000 = _____

2 Ko‘paytiring.

a) 5,5 × 200	b) 0,426 × 300
c) 23,2 × 8000	d) 0,94 × 7000

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3 Bo‘ling. Bo‘sh joylarni to‘ldiring.

a) 58,6 ÷ 10 = _____

b) 0,92 ÷ 10 = _____

c) 420 ÷ 100 = _____

d) 14,3 ÷ 100 = _____

e) 0,2 ÷ 100 = _____

f) 9 ÷ 1000 = _____

g) 52 ÷ 1000 = _____

h) 633 ÷ 1000 = _____

4 Bo‘ling.

a) 20,4 ÷ 20	b) 45 ÷ 300
c) 29,4 ÷ 700	d) 2088 ÷ 6000

5 Bo‘sh joylarni to‘ldiring.

a) 25 cm = _____ m

b) 30 m = _____ km

c) 10,2 m = _____ cm

d) 500,8 m = _____ cm

e) 0,12 km = _____ m

f) 14,005 km = _____ m

g) 45 g = _____ kg

h) 26 100 g = _____ kg

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i) 7,13 kg = _____ g

j) 93,4 kg = _____ g

k) 1,4 ℓ = _____ ml

l) 33,3 ℓ = _____ ml

m) 582 ml = _____ ℓ

n) 2468 ml = _____ ℓ

6 Bo‘sh joylarni to‘ldiring.

a) 12 km 500 m = _____ km

b) 60 m 15 cm = _____ m

c) 24,05 kg = _____ kg _____ g

d) 38,004 ℓ = _____ ℓ _____ ml

7 Jadvalda Akmal va Sardor 5 minutda kompyuterda yozgan so‘zlar soni berilgan. Har bir bola bir minutda yozgan so‘zlar sonini toping.

Ismi	So‘zlar soni	Vaqti (minut)
Akmal	180	5
Sardor	210	5

Akmalning yozish tezligi _____.

Sardorning yozish tezligi _____.

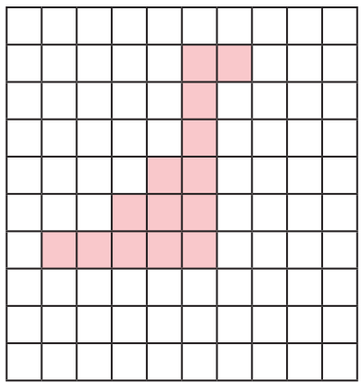
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8 Jadvalda bir xil futbolkalarning soni va narxi berilgan. Jadvalni to‘ldiring.

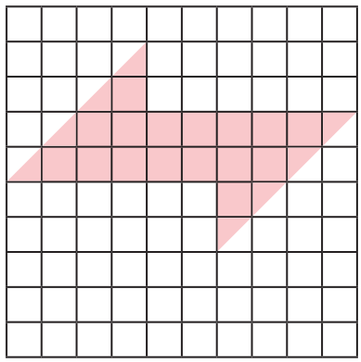
Futbolkalar soni	Narxi
3 ta	150 000 so‘m
6 ta	300 000 so‘m
12 ta	
15 ta	
	900 000 so‘m
	1 500 000 so‘m

1 ta futbolkaning narxi _____.

9 Bo‘yalgan qismni foizda ifodalang.

a) 

_____

b) 

_____

10 Berilgan foizlarni qisqarmas oddiy kasr ko‘rinishida ifodalang.

a) 28%	b) 35%	c) 60%

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11 Berilgan foizlarni o‘nli kasr ko‘rinishida ifodalang.

a) 13%	b) 25%	c) 8%

12 Berilgan foizlarni qisqarmas oddiy kasr va o‘nli kasr ko‘rinishida yozing.

Foiz	Oddiy kasr	O‘nli kasr
10%		
64%		

13 Berilgan oddiy kasrlarni foizlarda ifodalang.

a) $\frac{2}{5}$	b) $\frac{3}{10}$	c) $\frac{7}{50}$

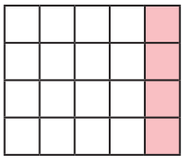
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14 Berilgan o‘nli kasrlarni foiz ko‘rinishida ifodalang.

a) 0,6	b) 0,75	c) 0,03

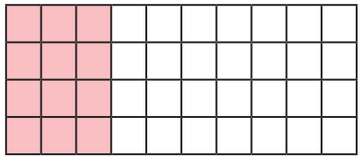
15 Bo‘yalgan qismni foizda ifodalang.

a)



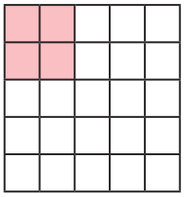
$\frac{4}{20} = _____$

b)



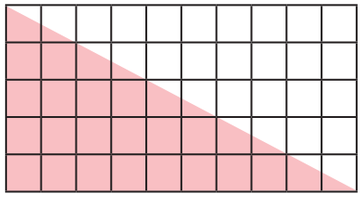
$\frac{12}{40} = _____$

c)



$\frac{4}{25} = _____$

d)



$\frac{25}{50} = _____$

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B bo‘lim

Matnli masalalarni yeching.
Bo‘sh qoldirilgan joylarga topshiriqni qanday bajarganingizni aniq yozing.

1 Rustam aka ko‘ylak, shim va galstuk uchun 988 000 so‘m to‘ladi. Ko‘ylak galstukka qaraganda 145 000 so‘m qimmat. Shim ko‘ylakka qaraganda 50 000 so‘m qimmat. Galstukning narxi qancha?

2 Aziza opa 4,4 kilogramm unning 800 grammini olib qo‘ydi va qolganini pirog pishirish uchun teng 4 qismga ajratib, idishlarga soldi. Har bir idishga qanchadan un solingan? Javobni kilogrammda ifodalang.

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3 Mansur aka kilogrammi 14 500 so‘mdan 12 kilogramm mosh va kilogrammi 19 500 so‘mdan 30 kilogramm guruch sotib oldi. U jami xarid uchun qancha pul sarfladi?

4 Charosda 1,8 metr tasma bor. Oyshada esa Charosdagiga qaraganda 1,2 metr uzun tasma bor edi. Oysha yana tasma sotib olganidan so‘ng uning tasmasi Charosnikiga qaraganda 3 marta uzun bo‘ldi. Oysha necha metr tasma sotib olgan?

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5 Lola opa maktab oshxonasida sotish uchun bir nechta pirojniy pishirdi. Pirojniylarning $\frac{3}{4}$ qismi shokoladli, qolgani esa murabboli. U jami pirojniyning $\frac{1}{2}$ qismini sotdi. Sotilgan pirojniylarning $\frac{5}{6}$ qismi shokoladli. Agar 18 ta murabboli pirojniy sotilmay qolgan bo‘lsa, nechta shokoladli pirojniy sotilmay qolgan?

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6 Jamol restoranda 6 soat ishlagani uchun 144 000 so‘m ish haqi oladi. U bir soat uchun qancha ish haqi oladi?

7 Uskuna 8 minutda 1200 qadoq ozuqa ishlab chiqaradi. U bir minutda necha qadoq ozuqa ishlab chiqaradi?

8 8 banka baliq konservasining umumiy massasi 5,2 kg. 2 banka baliq konservasining massasi qancha?

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9 Jadvalda shahardagi taksi xizmati narxi keltirilgan.

Birinchi kilometr uchun	2600 so‘m
Har bir qo‘shimcha kilometr uchun	500 so‘m

Rasul aka taksida $7\frac{1}{2}$ km yurgani uchun qancha yo‘l haqi to‘laydi?

10 Jadvalda qishki ta’tilda dam olish uchun tog‘ yonbag‘ridagi dalahovlilar ijara narxi berilgan. Shanba va yakshanbani dam olish kuni deb oling.

Ish kunlari	kuniga 700 000 so‘m
Dam olish kunlari	kuniga 800 000 so‘m

a) Salim aka payshanbadan yakshanbagacha dalahovlini ijaraga oldi. U qancha ijara haqi to‘laydi?

b) Anvar aka dushanbadan shanbagacha 2 ta dalahovlini ijaraga oldi. U qancha ijara haqi to‘laydi?

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11 Jo‘mrakdan minutiga 25 ℓ suv oqadi.

a) Shu jo‘mrakdan 18 minutda qancha suv oqadi?

b) Necha minutda sig‘imi 200 ℓ bo‘lgan idish to‘ladi?

12 Sog‘lomlashtirish klubining 600 nafar a’zosi bo‘lib, ularning 15 foizi – bolalar. Kattalar soni necha nafar?

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13 Suzish klubining 360 nafar a’zosi bor. Ularning 35 foizi – o‘g‘il bolalar, 40 foizi – qizlar, qolganlari esa kattalar. Kattalar soni nechta?

14 Noutbukning narxi 1 250 000 so‘m. Aksiya davrida u 30% chegirma bilan sotildi. Noutbukning chegirmadan keyingi narxi qancha bo‘lgan?

15 Salim aka 208 000 so‘mga tufli sotib oldi va qo‘shimcha 12% QQS ham to‘ladi. U tufli uchun QQS bilan birga qancha to‘lagan?

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16 Nigora opa bankka 8 000 000 so‘m omonat qo‘ydi. Bankning omonat foizi yiliga 20%. Nigora opaning hisobida bir yildan so‘ng qancha pul bo‘ladi?

17 Jadvalda kinoteatr chiptalari narxi keltirilgan. O‘quvchilar Kamola va Dono 2 ta chipta sotib oldi. Ular chipta narxidan jami qancha tejab qolgan?

Film	Chipta narxi	O‘quvchilar uchun
“Sehrli olam”	15 000 so‘m	8% chegirma

18 Maktab oshxonasida 260 ta bulochka bor. Ulardan 30 foizi sosiskali, 25 foizi tvorogli va qolgani murabboli. Tvorogli bulochkalar sosiskali bulochkalardan nechta kam?

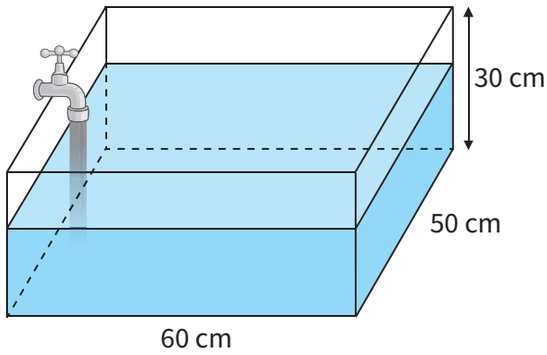
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19 Yangi yil tadbirida 6000 nafar kishi ishtirok etmoqda. Ularning 80 foizi – bolalar. Tadbirdagi bolalar soni katta yoshli kishilar sonidan necha nafarga ko‘p?

20 Dastlab A va B idishlarda teng miqdorda suv bor edi. A idishdan 25,5 ℓ va B idishdan 44,5 ℓ suv ishlatilganidan so‘ng A idishdagi suv miqdori B idishdagiga qaraganda 5 marta ko‘p bo‘lib qoldi. Dastlab B idishda qancha suv bor edi?

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21 Bo‘yi 60 cm, eni 50 cm va balandligi 30 cm bo‘lgan kuboid shaklidagi idishda qisman suv bor edi. Jo‘mrak ochib qo‘yilgach, idishga minutiga 6 ℓ tezlik bilan suv tushishni boshladi. Idish 8 minutda to‘ldi.
Jo‘mrakni ochib qo‘yishdan avval idishda qancha suv bor edi?
Javobni litrda ifodalang.



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22 Avtomobil 7 ℓ benzin bilan 84 km masofaga yura oladi.

a) Avtomobil 1 ℓ benzin bilan qancha masofaga yura oladi?

b) Avtomobil 13 ℓ benzin bilan qancha masofaga yura oladi?

c) Avtomobil 132 km masofaga yurish uchun qancha benzin sarflaydi?

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23 Vazira opa shokoladli tort va 6 ta pirojniy uchun 186 000 so‘m to‘ladi. Komila opa xuddi shunday shokoladli tort va 24 ta pirojniy uchun 294 000 so‘m to‘ladi. Shokoladli tortning narxi qancha?

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Ism: Sinf: Sana:

10 O‘rtacha qiymat

O‘rtacha qiymat tushunchasi

D1 1-topshiriq

1 Berilgan sonlar yoki miqdorlarning o‘rtacha qiymatini toping.

a) 10, 16, 20, 26

b) 9, 17, 0, 14

c) 25,3 m, 41,6 m, 35,4 m

d) 475 ml, 269 ml, 512 ml, 804 ml

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2 Lola opa 4 kunda 1400 ta shirin kulcha sotdi. U bir kunda o‘rtacha nechta shirin kulcha sotganini toping.

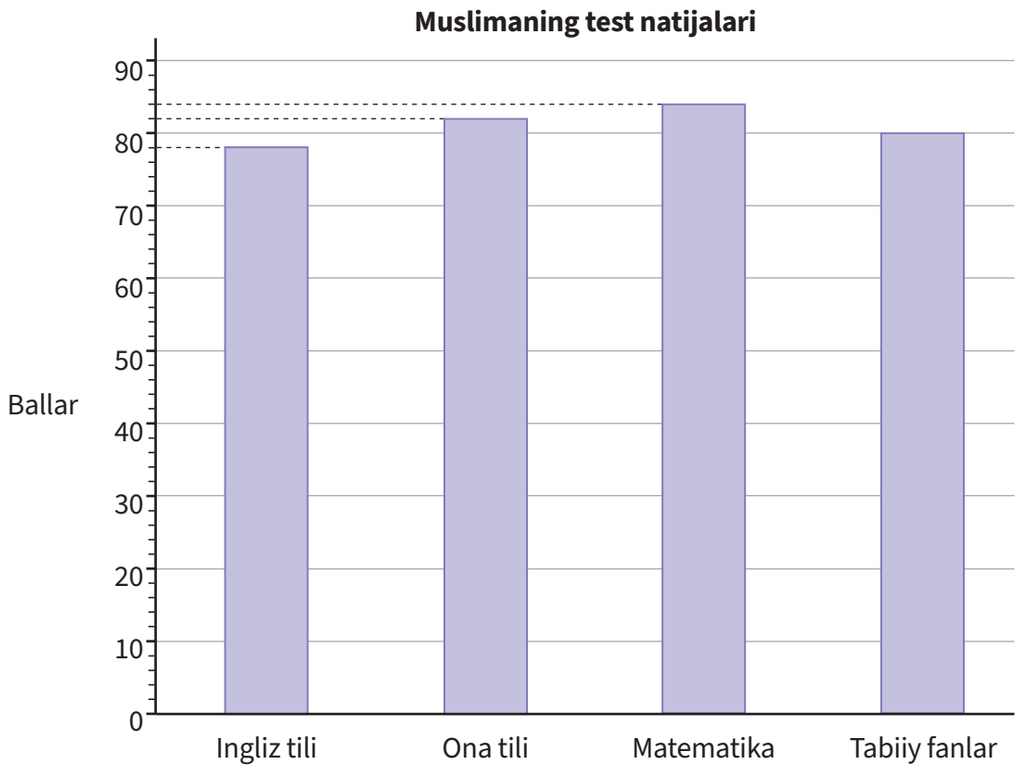
3 5 ta bola uchun ovqatning umumiy narxi 207 500 so‘m.
Har bir bola uchun ovqatning o‘rtacha narxi qancha?

4 Jadvalda 3 ta bolaning massasi berilgan. Bitta bolaning o‘rtacha massasi qancha?

Ismi	Massasi
Jasur	38,5 kg
Jamol	45,4 kg
Ahmad	41,8 kg

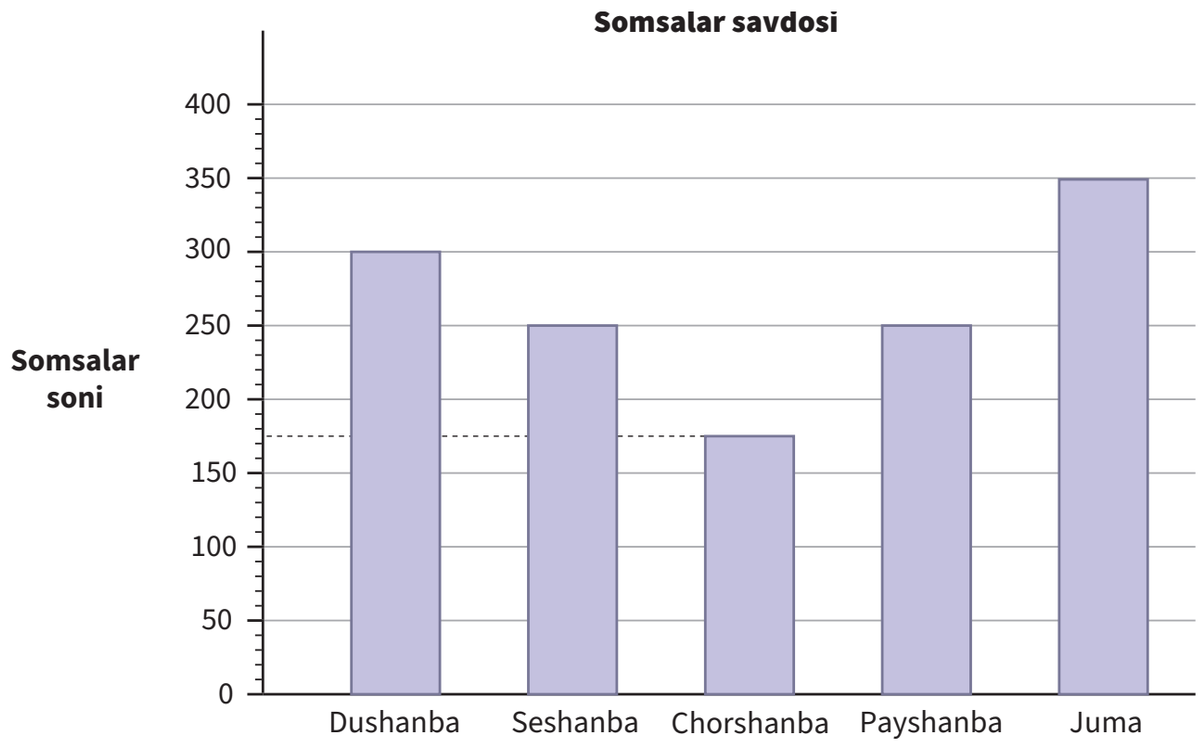
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5 Quyidagi ustunli diagrammada Muslimaning 4 ta fandan test natijalari keltirilgan. U testlardan o‘rtacha necha ball olgan?



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6 Quyidagi ustunli diagrammada 5 kunda sotilgan somsalar soni keltirilgan. Bir kunda o‘rtacha nechta somsa sotilgan?



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Ism: Sinf: Sana:

Miqdorlarning o‘rtacha va jami qiymati hamda soni

D1 2-topshiriq

1 Jami qiymatni toping.

a)



3 ta karta

O‘rtacha ball
= 16

Jami ball
= _____

b)



4 ta futbolka

O‘rtacha narxi
= 153 000 so‘m

Jami qiymati
= _____

c)



6 ta kitob

O‘rtacha massasi
= 0,98 kg

Jami massasi
= _____

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2 Noma’lum miqdorni toping.

a) Sumkalarning jami qiymati = 532 000 so‘m
Sumkalarning o‘rtacha narxi = 38 000 so‘m

Sumkalar soni = _____

b) Tasmalarning jami uzunligi = 15,21 m
Tasmalarning o‘rtacha uzunligi = 1,69 m

Tasmalar soni = _____

c) Suv solingan idishlarning o‘rtacha hajmi = 378 ml
Suvning jami hajmi = 1890 ml

Suv solingan idishlar soni = _____

3 Jadvalni to‘ldiring.

Miqdorlar soni	O‘rtacha qiymati	Jami qiymati
_____ ta quti	35 ta sharcha	840 ta sharcha
_____ ta quti	12 ta qalam	216 ta qalam

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

D2 3-topshiriq

1 Noma’lum sonni toping.

a)

7 8 4 ?

4 ta sonning o‘rtacha qiymati 8 ga teng.

b)

6,6 8,5 11,1 ?

4 ta sonning o‘rtacha qiymati 10,6 ga teng.

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2 Jadvalni to‘ldiring.
Bo‘sh joyga topshiriqni qanday bajarganingizni yozing.

a)

Davrlar	Basketboldagi ochkolar soni
1	70
2	62
3	

O‘rtacha ochkolar soni = 64

b)

Fanlar	Ballar
Ingliz tili	97
Matematika	88
Tabiiy fanlar	78
Ona tili	

O‘rtacha ball = 90

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3 Jadvalda Akmalning matematika fanidan olgan test natijalari keltirilgan. U 4- va 5-testlarda bir xil ball olgan. Akmal 5 ta testdan o‘rtacha 83 ball to‘plagan bo‘lsa, 4-testdan necha ball olgan?

Matematika fanidan test	Ball
1	76
2	79
3	80
4	?
5	?

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4 “Yashil makon” tadbirida 5-“D” sinfning 40 nafar o‘quvchisi guruhlarga bo‘linib ishtirok etdi. Jadvalda har bir guruh ekkan ko‘chatlar soni berilgan.

Guruh	O‘quvchilar soni	Ekilgan ko‘chatlar soni
I	9	201 ta
II	11	275 ta
III	8	192 ta
IV	?	?

a) IV guruhda necha nafar o‘quvchi bor?

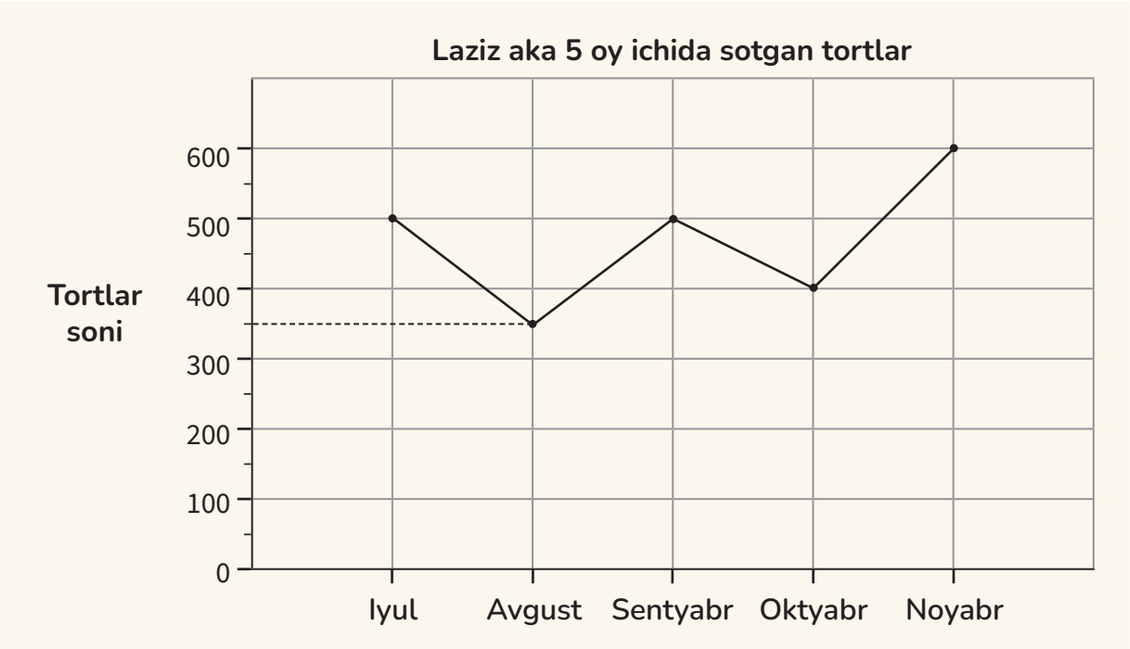
b) 4 ta guruh o‘quvchilari ekkan ko‘chatlarning umumiy soni 1040 ta. IV guruh o‘quvchilari nechta ko‘chat ekkan?



c) IV guruhdagi har bir o‘quvchi o‘rtacha nechta ko‘chat ekkan?

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5 Quyidagi chiziqli diagrammada Laziz aka har oy sotgan tortlar soni bo‘yicha 5 oylik ma’lumot keltirilgan.

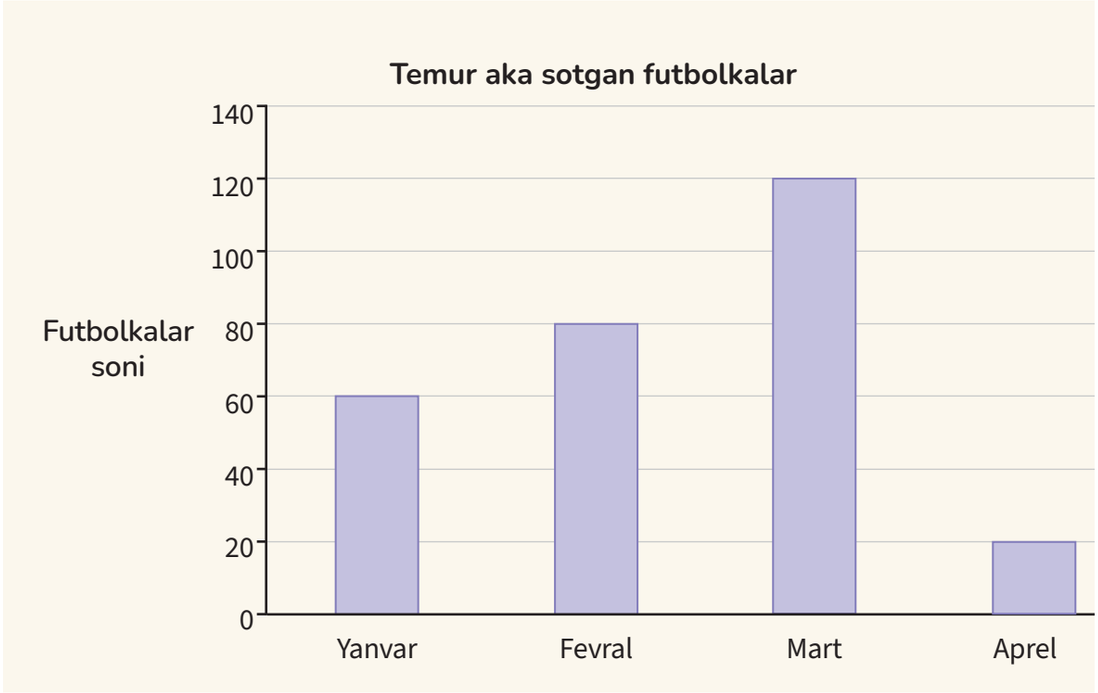


a) Bir oyda o‘rtacha nechta tort sotilgan?

b) Agar Laziz aka iyuldan dekabrgacha har oyda o‘rtacha 500 ta tort sotgan bo‘lsa, u dekabrda nechta tort sotgan?

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6 Temur aka yanvardan aprelgacha har oyda o‘rtacha 70 ta futbolka sotdi. Quyidagi ustunli diagrammada Temur aka 4 oy davomida sotgan futbolkalar soni berilgan. Lekin bu diagrammaning bir qismi yirtib olingan. Aprel oyida nechta futbolka sotilgan?



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

D3 4-topshiriq

Topshiriqlarni bajaring.

1. Kamolaga berilgan quyidagi kartochkadagi sonlarning 3 tasi aylanaga olingan edi. U yana bir sonni aylanaga olgan edi, 4 ta sonning o‘rta arifmetigi 92 ga teng bo‘ldi. Kamola qaysi sonni aylanaga olgan?

(94)	91	96
93	(90)	92
95	88	(89)

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2 Quyidagi jadvalda uzunlikka sakrash bo‘yicha 3 nafar bolaning natijalari keltirilgan. Har bir bola 3 marta sakragan. Qaysi bolaning o‘rtacha sakrash masofasi eng katta?

Ismi	1-sakrash	2-sakrash	3-sakrash
Yunus	3,1 m	3,45 m	3,32 m
Hamza	2,96 m	3,51 m	3,43 m
Zokir	3,26 m	3,32 m	3,44 m

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

Amaliy topshiriq



Guruh a’zolari bo‘yining o‘rtacha balandligini aniqlash uchun mos uzunlikdagi ipdan foydalaning va natijani muhokama qiling.

5 yoki 7 nafar o‘quvchidan iborat guruhda ishlang. Har bir guruhga bir o‘ram ip va qaychi beriladi.

Ipdan foydalanib guruh a’zolari bo‘yining o‘rtacha balandligini qanday aniqlaganingizni ko‘rsating.

Guruh a’zolari bo‘yining o‘rtacha balandligini aniqlash uchun ipning uzunligini qanday tanlaganingizni tasvirlab bering.

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Matematika kundaligi





Umida



Aziza

Azizaning fikri to‘g‘rimi? Nima uchun?
Umidaning fikrini tushuntirish uchun misollar keltiring.

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Ism: Sinf: Sana:

11 Burchaklar

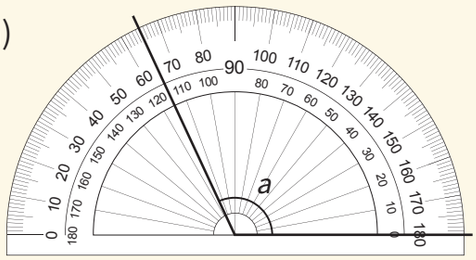
Eslang



Burchakning gradus o‘lchovi

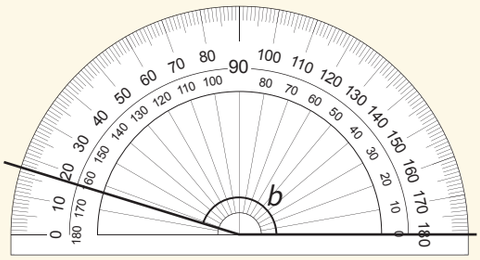
1 Berilgan burchaklarning gradus o‘lchovini yozing.

a)



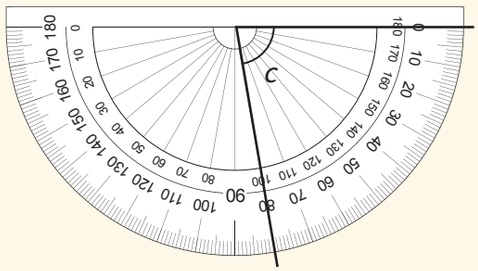
$\angle a =$ _____

b)



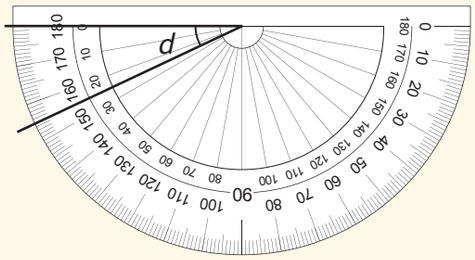
$\angle b =$ _____

c)



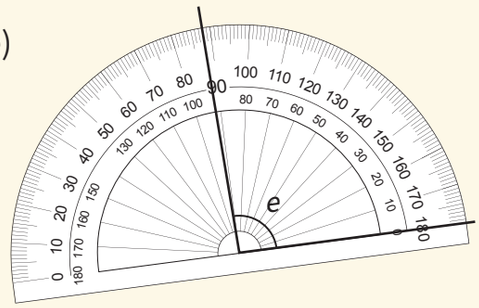
$\angle c =$ _____

d)



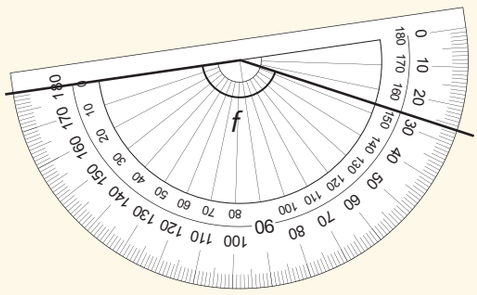
$\angle d =$ _____

e)



$\angle e =$ _____

f)

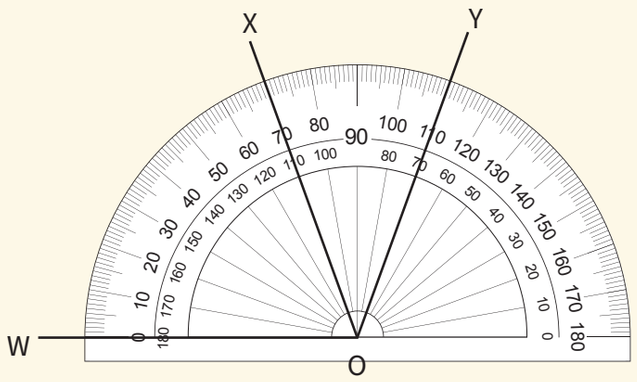


$\angle f =$ _____

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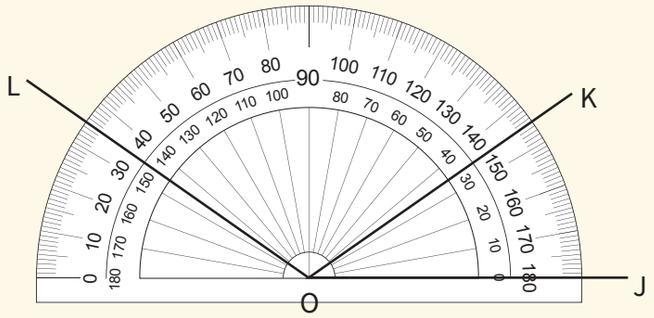
2 Berilgan gradus o‘lchoviga mos burchakning nomini yozing.

a)



∠ _____ = 70° ∠ _____ = 110°

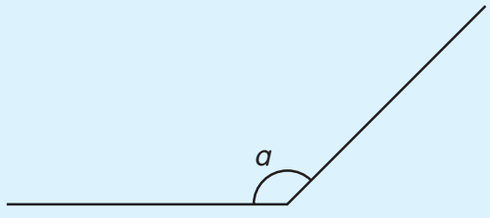
b)



∠ _____ = 145° ∠ _____ = 35°

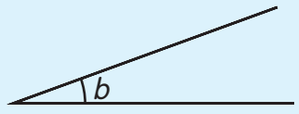
3 Berilgan burchaklarni transportir yordamida o‘lchang.

a)



∠*a* = _____

b)



∠*b* = _____

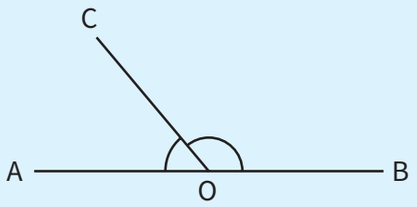
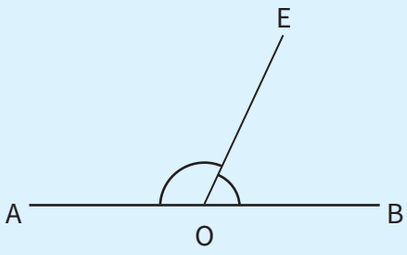
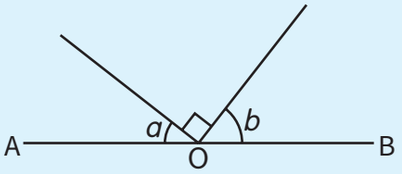
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Ism: Sinf: Sana:

To‘g‘ri chiziqdagi burchaklar

D1 1-topshiriq

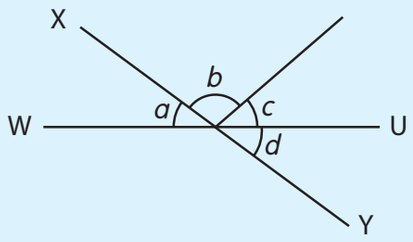
1 AOB to‘g‘ri chiziq berilgan. Bo‘sh joylarga burchaklar nomini yozing.

a) 	∠_____ + ∠_____ = 180°
b) 	∠_____ + ∠_____ = 180°
c) 	∠_____ + _____ + ∠_____ = 180°

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2 Bo‘sh joylarni to‘ldiring.

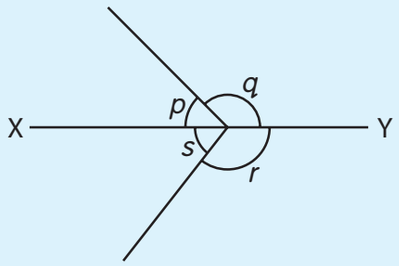
a) WU va XY – to‘g‘ri chiziqlar.



∠_____ + ∠_____ + ∠_____ = 180°

∠_____ + ∠_____ + ∠_____ = 180°

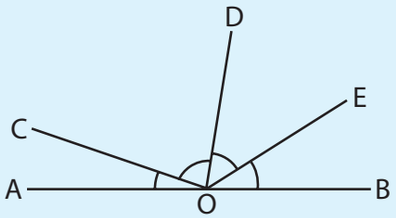
b) XY – to‘g‘ri chiziq.



∠_____ + ∠_____ = 180°

∠_____ + ∠_____ = 180°

c) AOB – to‘g‘ri chiziq.



∠_____ + ∠_____ + ∠DOB = 180°

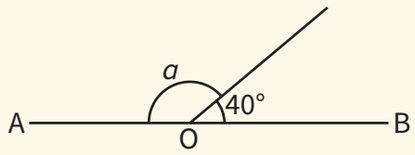
38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 134 13/11/24 14:11

Ism: Sinf: Sana:

D1 2-topshiriq

1 Quyidagi chizmalarda AOB to‘g‘ri chiziqlar berilgan. Noma’lum burchakni toping.

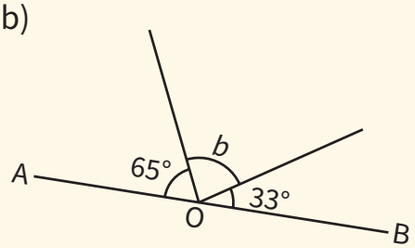
a)



$\angle a =$ _____ – _____

$=$ _____

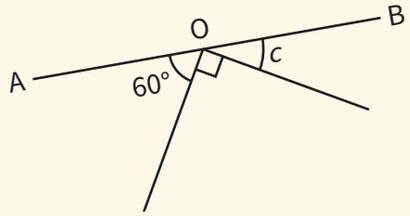
b)



$\angle b =$ _____ – _____ – _____

$=$ _____

c)

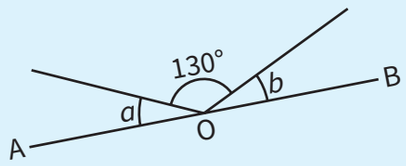


$\angle c =$

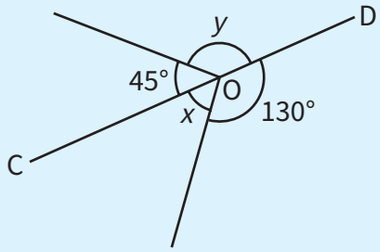
38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 135 13/11/24 14:11

2 Noma’lum burchakni toping.

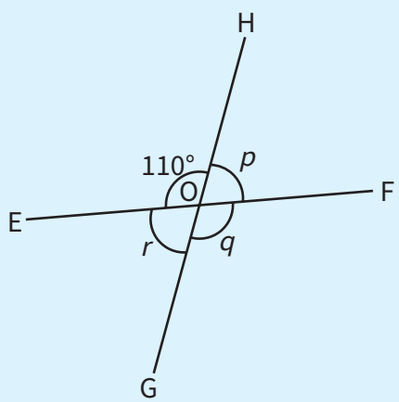
a) AOB – to‘g‘ri chiziq va $\angle a = \angle b$.



b) COD – to‘g‘ri chiziq.



c) EOF va GOH – to‘g‘ri chiziqlar.



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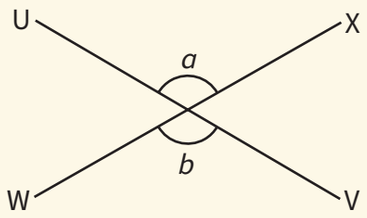
Ism: Sinf: Sana:

Vertikal burchaklar

D1 3-topshiriq

1 Savolni o‘qing va mos javobni aylanaga oling.

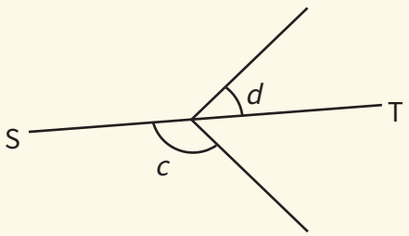
a) UV va WX – to‘g‘ri chiziqlar.



$\angle a = \angle b$ tenglik o‘rinlimi?

Ha yoki Yo‘q

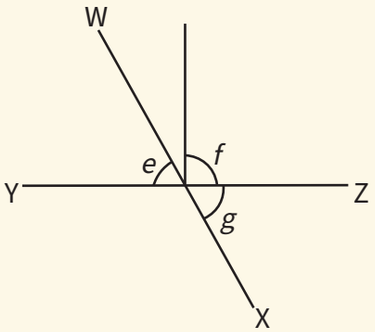
b) ST – to‘g‘ri chiziq.



$\angle c = \angle d$ tenglik o‘rinlimi?

Ha yoki Yo‘q

c) WX va YZ – to‘g‘ri chiziqlar.



$\angle e = \angle f$ tenglik o‘rinlimi?

Ha yoki Yo‘q

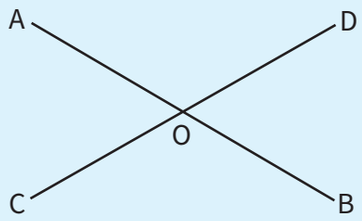
$\angle e = \angle g$ tenglik o‘rinlimi?

Ha yoki Yo‘q

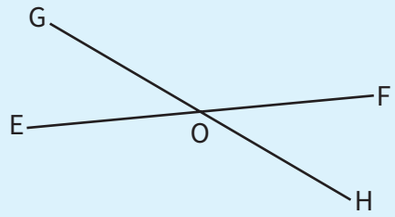
38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 137 13/11/24 14:11

2 Vertikal burchaklar juftligini nomlang.

a) AOB va COD – to‘g‘ri chiziqlar.

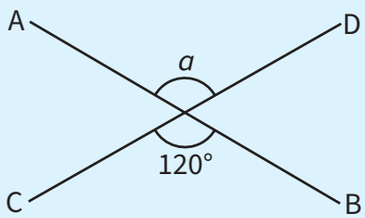


b) EOF va GOH – to‘g‘ri chiziqlar.

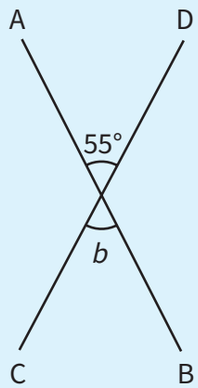


3 AB va CD – to‘g‘ri chiziqlar. Noma’lum burchakni toping.

a)



b)

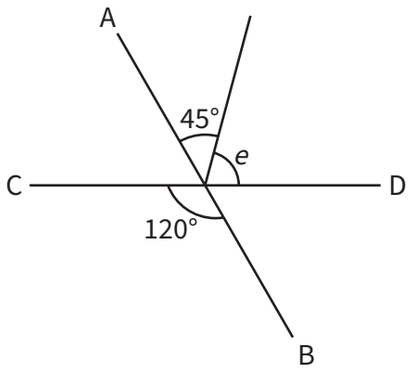


38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 138 13/11/24 14:11

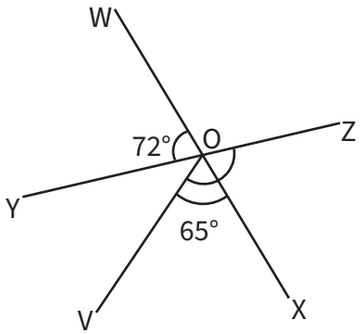
Ism: **Sinf:** **Sana:**

D2 4-topshiriq

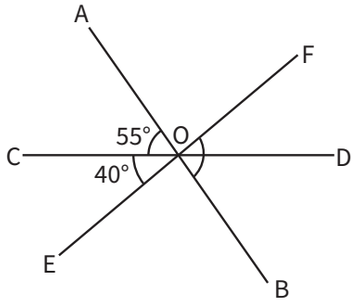
1 AB va CD – to‘g‘ri chiziqlar. $\angle e$ ni toping.



2 WOX va YOZ – to‘g‘ri chiziqlar. $\angle VOZ$ ni toping.

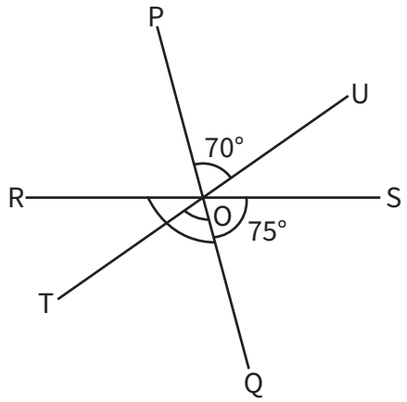


3 AOB, COD va EOF – to‘g‘ri chiziqlar. $\angle BOF$ ni toping.

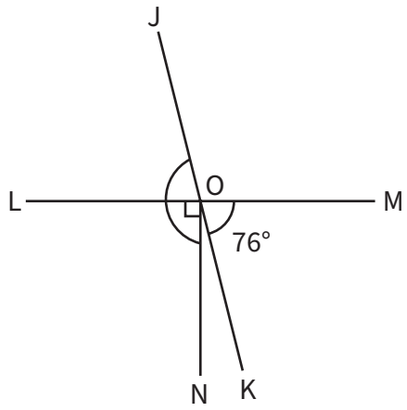


38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 139 13/11/24 14:11

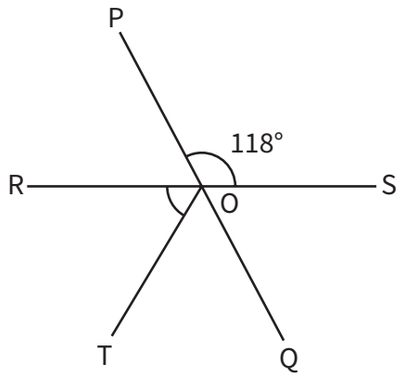
4 POQ, ROS va TOU – to‘g‘ri chiziqlar. ∠QOT va ∠QOR ni toping.



5 JOK va LOM – to‘g‘ri chiziqlar. ∠JON ni toping.



6 POQ va ROS – to‘g‘ri chiziqlar hamda ∠ROT = ∠TOQ. ∠ROT ni toping.



38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 140 13/11/24 14:11

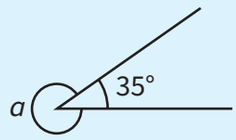
Ism: Sinf: Sana:

Nuqta atrofidagi burchaklar

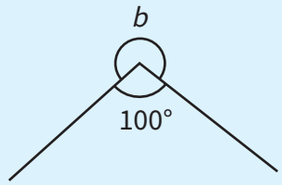
D1 5-topshiriq

1 Noma’lum burchak qiymatini toping.

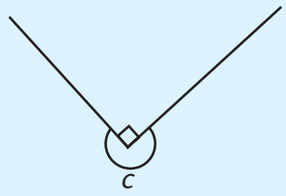
a)



b)



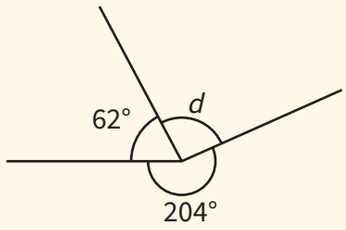
c)



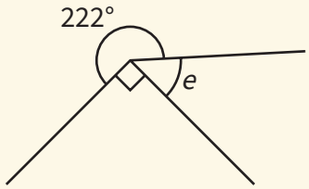
38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 141 13/11/24 14:11

2 Noma’lum burchak qiymatini toping.

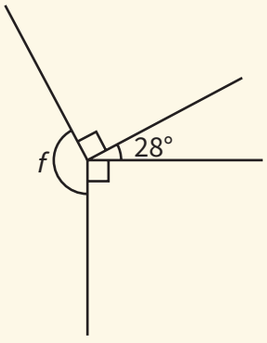
a)



b)



c)



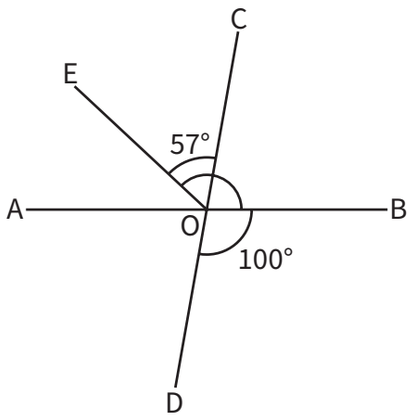
38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 142 13/11/24 14:11

Ism: Sinf: Sana:

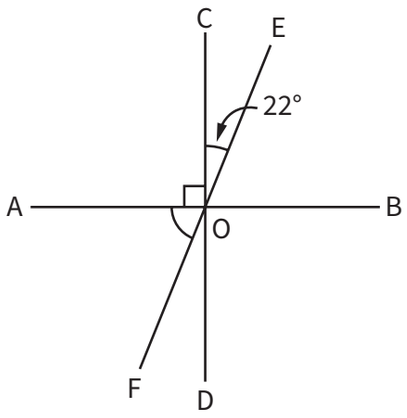
Noma’lum burchaklarni topish

D1 6-topshiriq

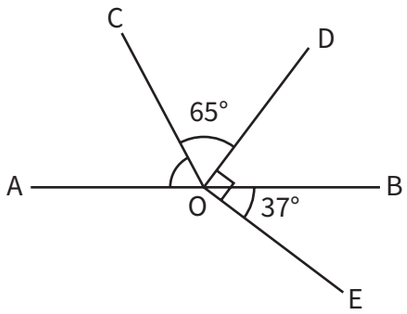
1 AOB va COD – to‘g‘ri chiziqlar. ∠BOE ni toping.



2 AOB, COD va EOF – to‘g‘ri chiziqlar. ∠AOF ni toping.

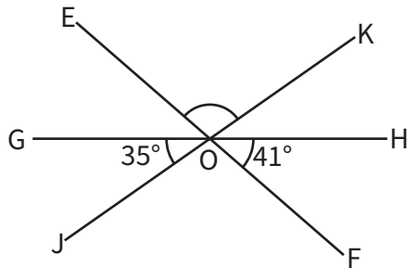


3 AOB – to‘g‘ri chiziq. ∠AOC ni toping.

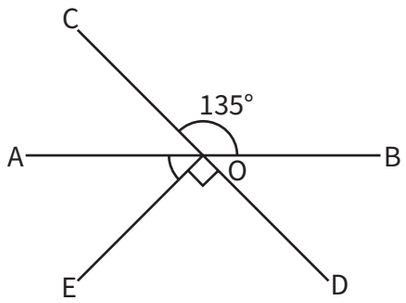


38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 143 13/11/24 14:11

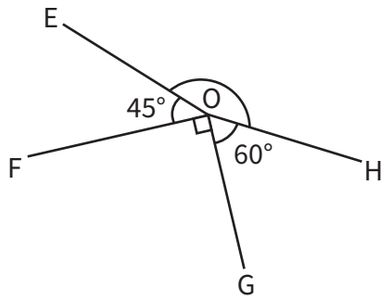
4 EOF, GOH va JOK – to‘g‘ri chiziqlar. ∠EOK ni toping.



5 AOB va COD – to‘g‘ri chiziqlar. ∠AOE ni toping.



6 ∠EOH ni toping.

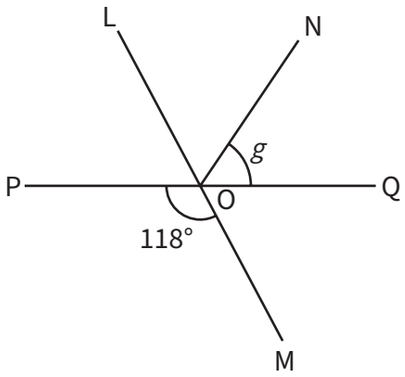


38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 144 13/11/24 14:11

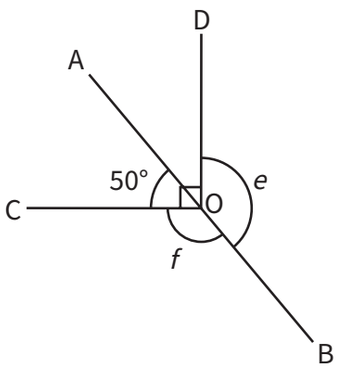
Ism: **Sinf:** **Sana:**

D2 7-topshiriq

1 LOM va POQ – to‘g‘ri chiziqlar. ∠POM = 118° va ∠LOP = ∠LON. ∠*g* ni toping.

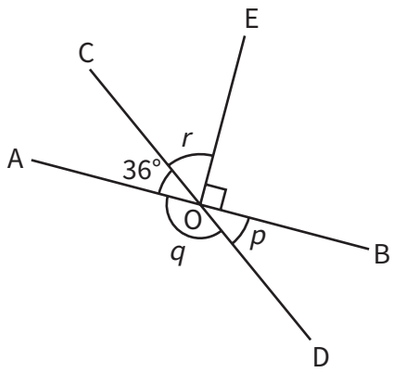


2 AOB – to‘g‘ri chiziq. ∠AOC = 50° va ∠COD – to‘g‘ri burchak. ∠*e* va ∠*f* ni toping.

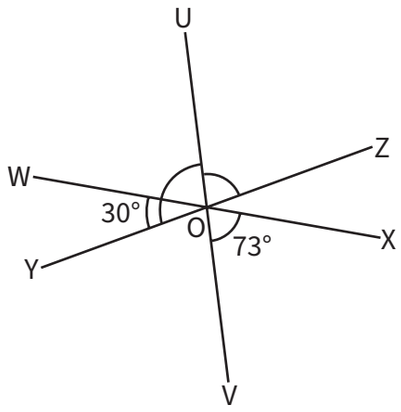


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3 AOB va COD – to‘g‘ri chiziqlar hamda ∠AOC = 36°. ∠*p*, ∠*q* va ∠*r* ni toping.

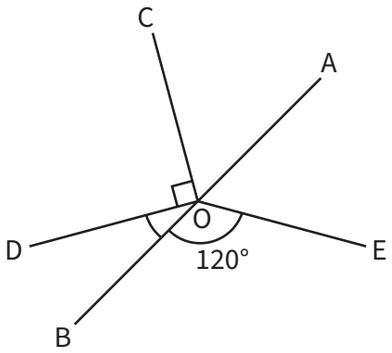


4 UOV, WOX va YOZ – to‘g‘ri chiziqlar. ∠UOZ va ∠UOY ni toping.

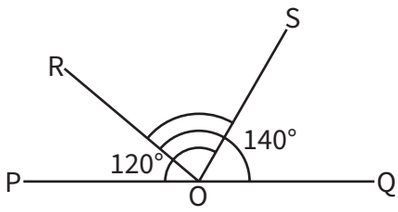


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5 AOB – to‘g‘ri chiziq va ∠AOE = ∠AOC. ∠BOD ni toping.

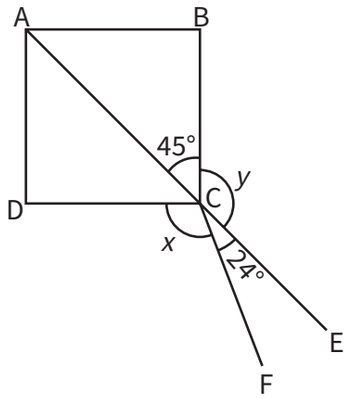


6 POQ – to‘g‘ri chiziq. ∠POS = 120° va ∠QOR = 140°. ∠ROS ni toping.

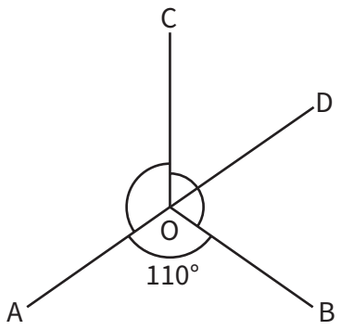


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7 ABCD – kvadrat. ∠ACB = 45° va ∠ECF = 24°. ACE – to‘g‘ri chiziq.
∠*x* va ∠*y* ni toping.



8 Berilgan chizmada ∠AOC = ∠BOC va ∠AOB = 110°. AOD – to‘g‘ri chiziq.
∠AOC va ∠BOD ni toping.



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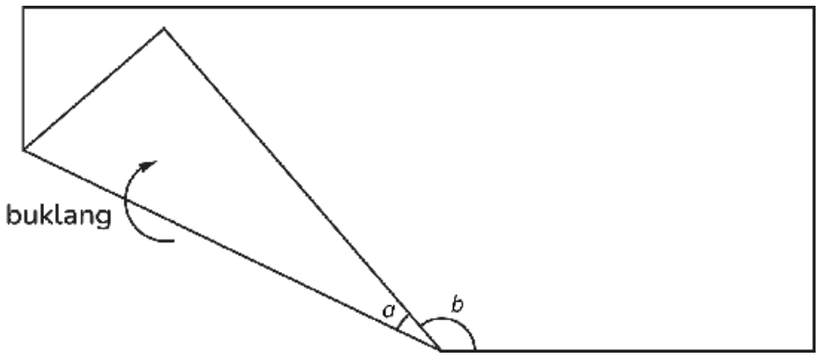
Ism: **Sinf:** **Sana:**

Amaliy topshiriq

Burchakning xossasidan foydalanib noma'lum burchakni toping.

Juftlikda ishlang.

A4 qog'ozni rasmda ko'rsatilganidek buklang va faqat $\angle a$ ni transportir yordamida o'lchang. $\angle b$ ni transportirdan foydalanmasdan qanday topish mumkinligini tushuntiring.



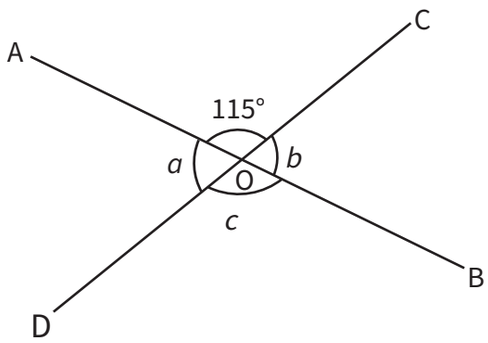
$\angle a =$ _____

Transportirdan foydalanmasdan $\angle b$ quyidagicha topiladi:

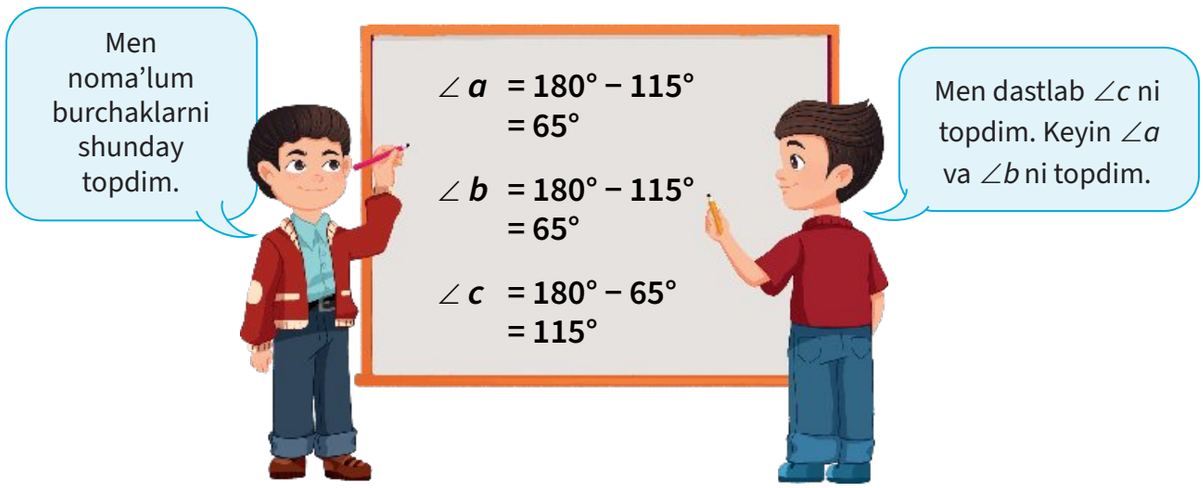
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Matematika kundaligi

Chizmada AOB va COD to‘g‘ri chiziqlar tasvirlangan.



Akmal va Sardor chizmadagi noma’lum burchakni topishga urinib ko‘rdi.



Sardor javobni qanday topganini tushuntiring.

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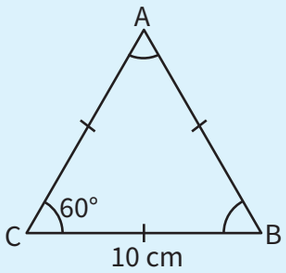
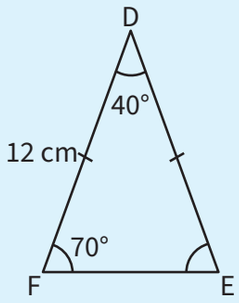
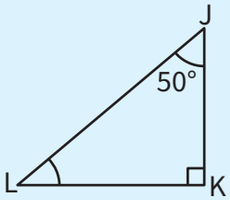
Ism: Sinf: Sana:

12 Uchburchakning xossalari

Uchburchakning turlari

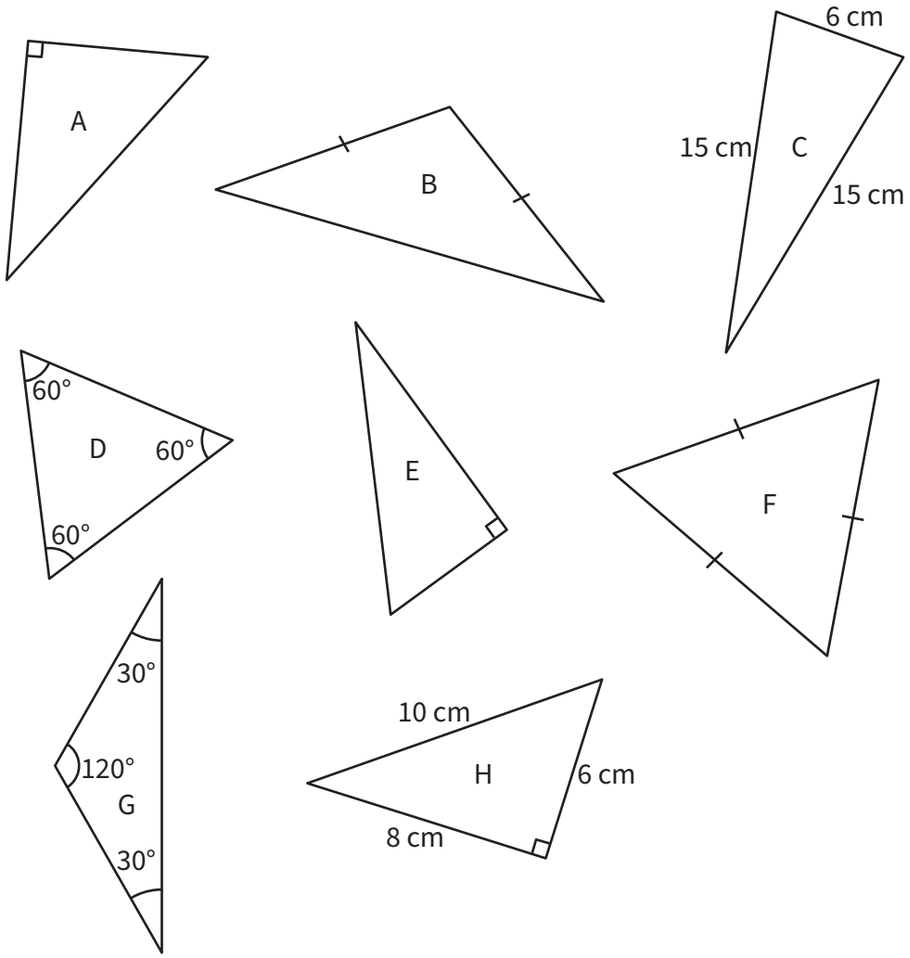
D1 1-topshiriq

1 Bo‘sh joylarni to‘ldiring.

a) ABC – teng tomonli uchburchak.  	∠BAC = _____ ∠ABC = _____ AB = _____ cm AC = _____ cm
b) DEF – teng yonli uchburchak.  	∠DEF = _____ DE= _____ cm
c) JKL – to‘g‘ri burchakli uchburchak.  	∠JKL= _____ ∠JLK= _____ ∠JLK + ∠KJL = _____

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2 Uchburchaklar bitta harf bilan nomlangan.
Ularning turini aniqlang va jadvaldagi mos ustunga yozing.



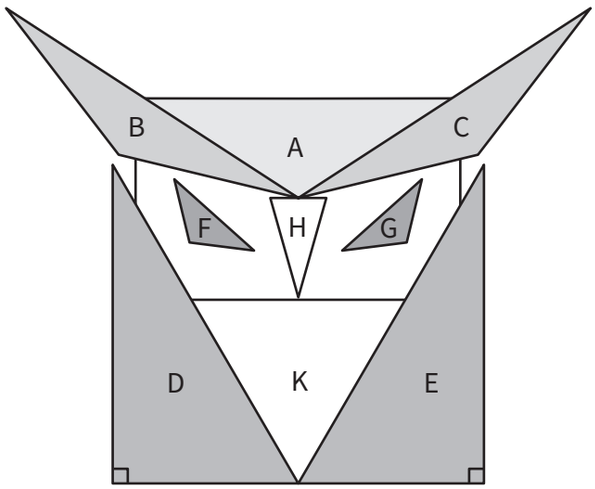
Teng tomonli uchburchak	Teng yonli uchburchak	To‘g‘ri burchakli uchburchak

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

D2 2-topshiriq

1 Rasmdagi uchburchaklarning turini aniqlang va jadvalga yozing.



a)

Teng tomonli uchburchak	
Teng yonli uchburchak	
To‘g‘ri burchakli uchburchak	

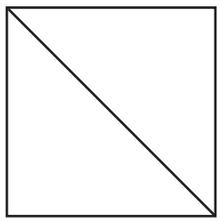
b)

O‘tkir burchakli uchburchak	
O‘tmas burchakli uchburchak	

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2 Har bir to‘g‘ri tasdiq uchun katakchaga belgi (✓) qo‘ying.

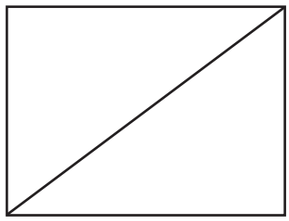
a) Quyidagi kvadrat teng ikkiga bo‘lingan.



Natijada:

- 2 ta teng tomonli uchburchak ☐
- 2 ta teng yonli uchburchak ☐
- 2 ta to‘g‘ri burchakli uchburchak hosil bo‘ldi. ☐

b) Quyidagi to‘g‘ri to‘rtburchak teng ikkiga bo‘lingan.



To‘g‘ri to‘rtburchakning har bir qismi:

- teng tomonli uchburchak ☐
- teng yonli uchburchak ☐
- to‘g‘ri burchakli uchburchak ☐

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Ism: Sinf: Sana:

Uchburchaklarni chizish

D1 3-topshiriq

1 BC = 6 cm, ∠ABC = 40° va ∠ACB = 55° bo‘lgan ABC uchburchak chizing.

Xomaki chizma

2 Tomonining uzunligi 5 cm ga teng bo‘lgan JKL teng tomonli uchburchak chizing.

Xomaki chizma

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3 XY = 6 cm, YZ = 3 cm va ∠XYZ = 90° bo‘lgan XYZ to‘g‘ri burchakli uchburchak chizing.

Xomaki chizma

4 PQ = QR = 4 cm va ∠PQR = 135° bo‘lgan PQR teng yonli uchburchak chizing.

Xomaki chizma

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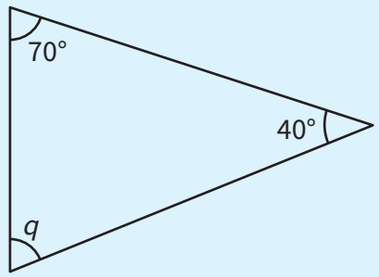
Ism: Sinf: Sana:

Uchburchakning burchaklari

D1 4-topshiriq

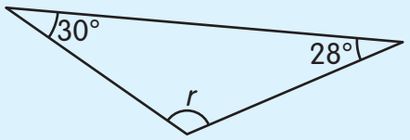
1 Uchburchaklarning noma'lum burchagini toping.

a)



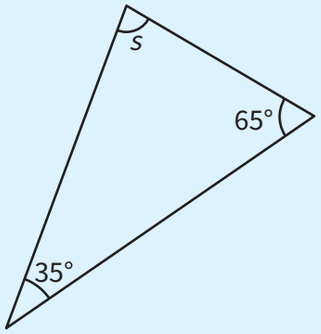
$\angle q =$

b)



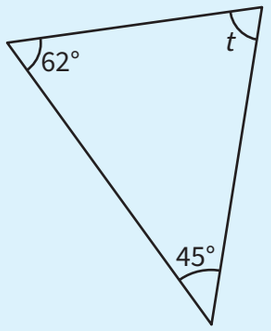
$\angle r =$

c)



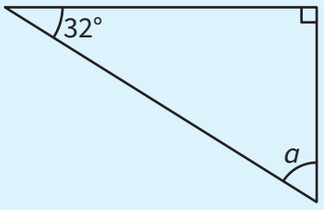
$\angle s =$

d)



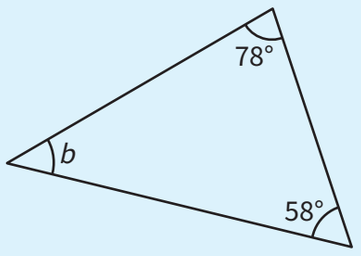
$\angle t =$

e)



$\angle a =$

f)

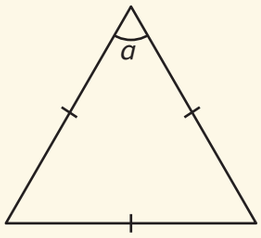


$\angle b =$

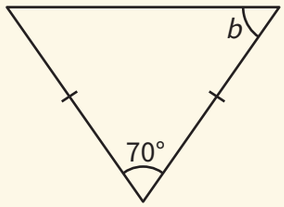
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2 Uchburchaklarning noma'lum burchagini toping.

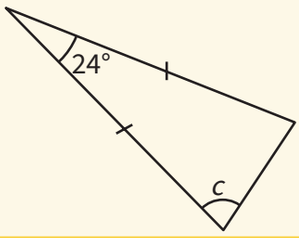
a)



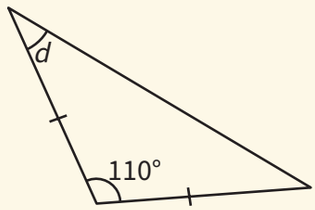
b)



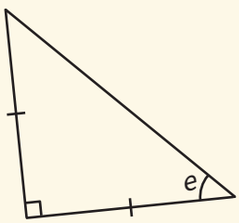
c)



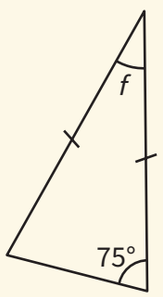
d)



e)



f)

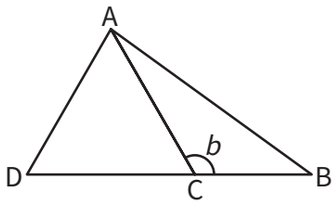


38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 158 13/11/24 14:11

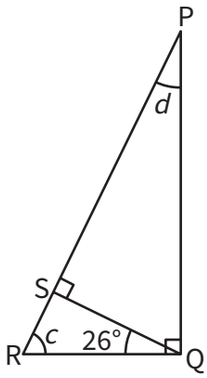
Ism: **Sinf:** **Sana:**

D2 5-topshiriq

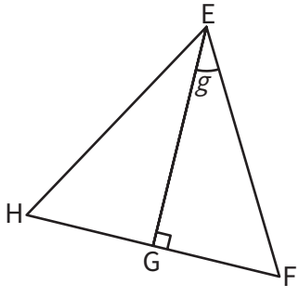
1 ACD – teng tomonli uchburchak va BCD – to‘g‘ri chiziq. $\angle b$ ni toping.



2 PSR – to‘g‘ri chiziq hamda $\angle$PSQ va $\angle$PQR – to‘g‘ri burchaklar. $\angle c$ va $\angle d$ ni toping.

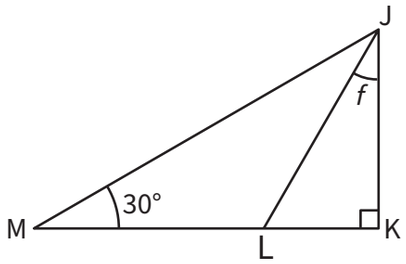


3 EFH – teng tomonli uchburchak. $\angle g$ ni toping.

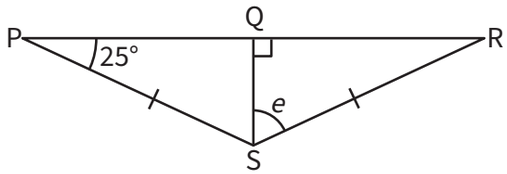


38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 159 13/11/24 14:11

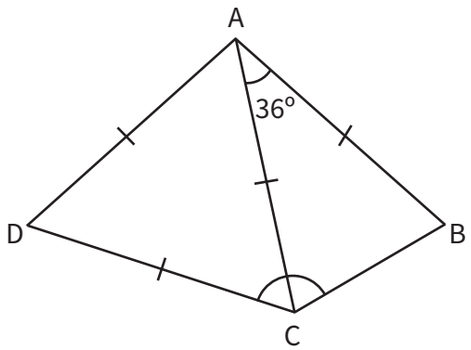
4 KLM – to‘g‘ri chiziq. JLM – teng yonli uchburchak va JL = LM. $\angle f$ ni toping.



5 PQR – to‘g‘ri chiziq va PS = RS. $\angle e$ ni toping.



6 ACD – teng tomonli uchburchak. ABC – teng yonli uchburchak va AB = AC. $\angle$BCD ni toping.

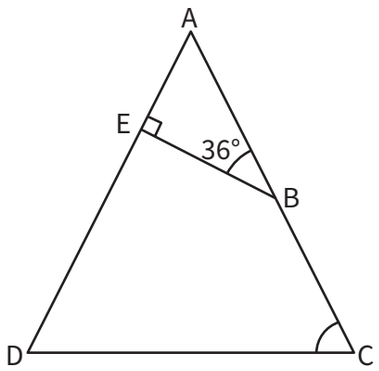


38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 160 13/11/24 14:11

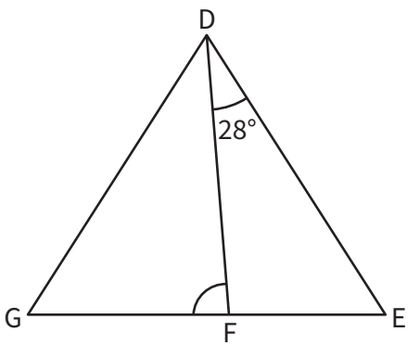
Ism: **Sinf:** **Sana:**

D3 6-topshiriq

1 ACD – teng yonli uchburchak va AD = AC. ACD ni toping.

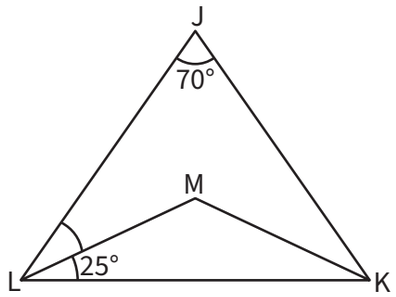


2 DEG – teng tomonli uchburchak. DFG ni toping.

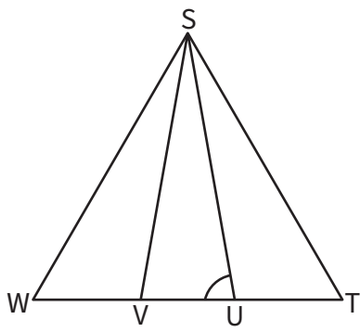


38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 161 13/11/24 14:11

3 JKL va MKL – teng yonli uchburchaklar hamda JK = JL va MK = ML. ∠JLM ni toping.



4 STW – teng tomonli uchburchak. SUV – teng yonli uchburchak. ∠VSW = ∠VSU = ∠UST. ∠SUV ni toping.



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

Amaliy topshiriq



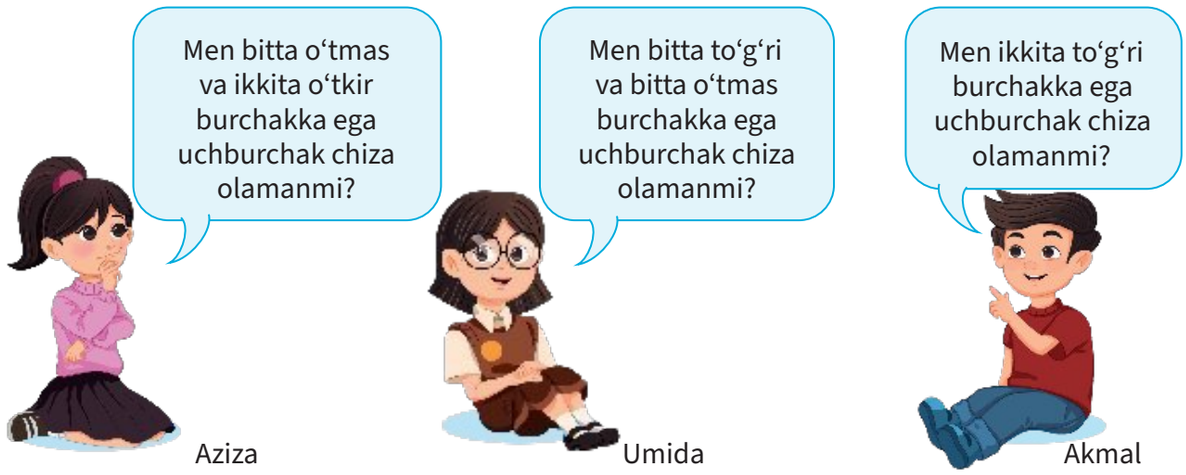
Berilgan o‘lchamlar asosida uchburchak chizing.

WY = 10 cm, WX = 7 cm va ∠XWY = 75° bo‘lgan WXY uchburchak chizing.

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Matematika kundaligi

Qaysi bola o‘zi ta’riflagan uchburchakni chiza oladi?



Javobingizni tushuntirib berish uchun shaklni chizib ko‘ring.

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Ism: Sinf: Sana:

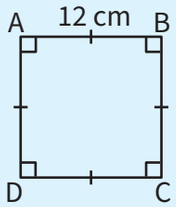
13 Parallelogramm, romb va trapetsiya

Eslang 

Kvadrat va to‘g‘ri to‘rtburchakning xossalari

1 Kvadrat va to‘g‘ri to‘rtburchakning noma’lum tomonlarini toping.

a)

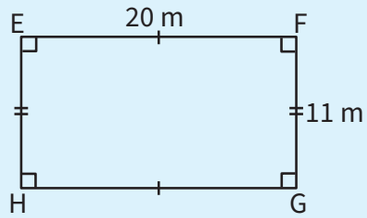


BC = _____

DC = _____

AD = _____

b)

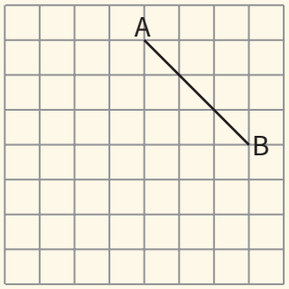


GH = _____

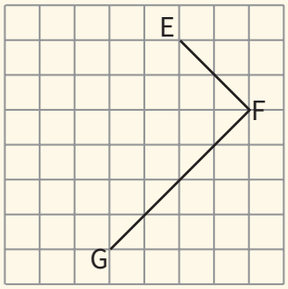
EH = _____

2 ABCD kvadrat va EFGH to‘g‘ri to‘rtburchakning qolgan tomonlarini chizing va ularni nomlang.

a)



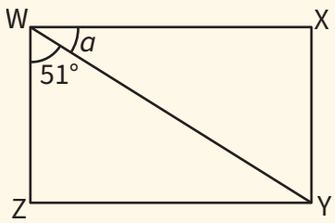
b)



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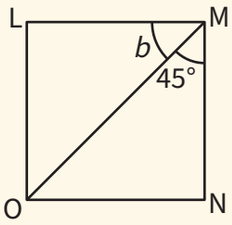
3 Noma’lum burchakni toping.

a) WXYZ – to‘g‘ri to‘rtburchak.



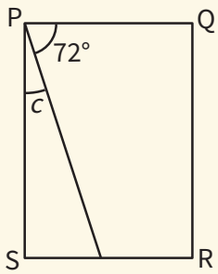
$\angle a =$

b) LMNO – kvadrat.



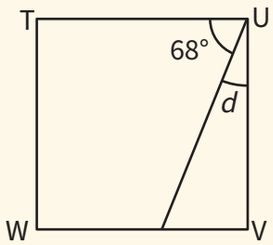
$\angle b =$

c) PQRS – to‘g‘ri to‘rtburchak.



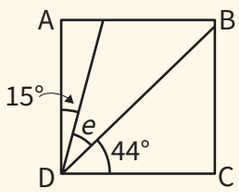
$\angle c =$

d) TUVW – kvadrat.



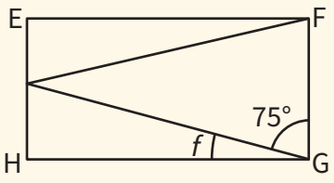
$\angle d =$

e) ABCD – kvadrat.



$\angle e =$

f) EFGH – to‘g‘ri to‘rtburchak.



$\angle f =$

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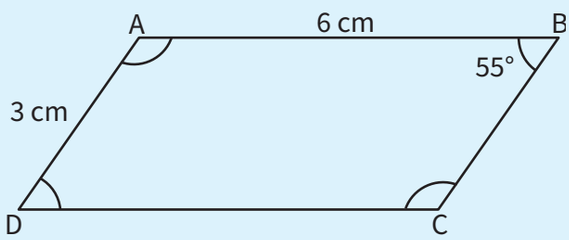
Ism: Sinf: Sana:

Parallelogramm, romb va trapetsiyaning xossalari

D1 1-topshiriq

1 Bo‘sh joylarni to‘ldiring.

a) ABCD – parallelogramm.



BC = _____ cm

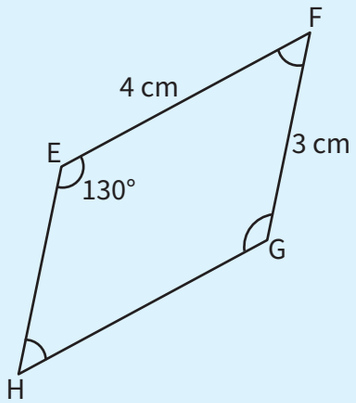
DC = _____ cm

∠ADC = _____

∠DAB = _____

∠DCB = _____

b) EFGH – parallelogramm.



EH = _____ cm

HG = _____ cm

∠HGF = _____

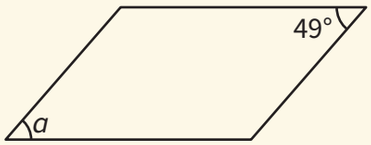
∠EHG = _____

∠EFG = _____

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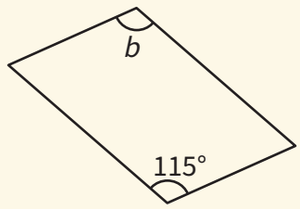
2 Quyidagi parallelogrammlarning noma’lum burchaklarini toping.

a)



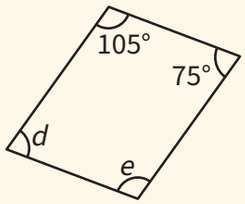
$\angle a =$ _____

b)



$\angle b =$ _____

c)



$\angle d =$ _____

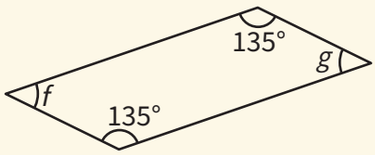
$\angle e =$ _____

d)

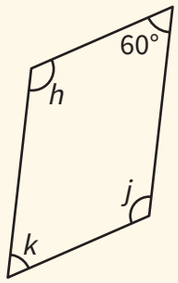


$\angle c =$ _____

e)



f)



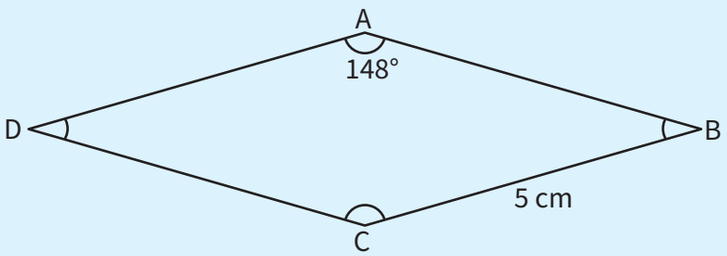
38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 168 13/11/24 14:11

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

D1 2-topshiriq

1 Bo‘sh joylarni to‘ldiring.

a) ABCD – romb.

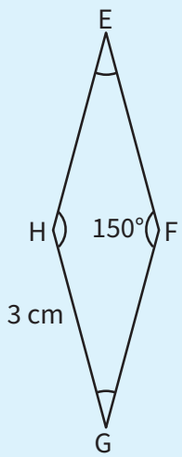


AB = _____ cm ∠ABC = _____

AD = _____ cm ∠ADC = _____

CD = _____ cm ∠BCD = _____

b) EFGH – romb.



EF = _____ cm

EH = _____ cm

FG = _____ cm

∠HEF = _____

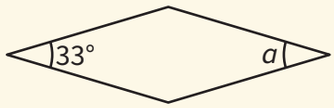
∠EHG = _____

∠HGF = _____

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 169 13/11/24 14:11

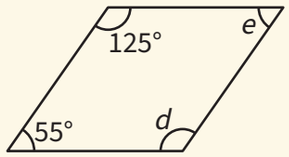
2 Quyidagi romblarning noma’lum burchaklarini toping.

a)



$\angle a =$ _____

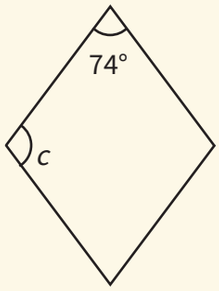
b)



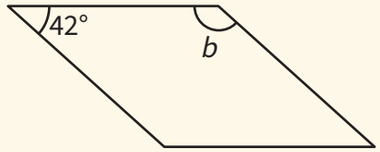
$\angle d =$ _____

$\angle e =$ _____

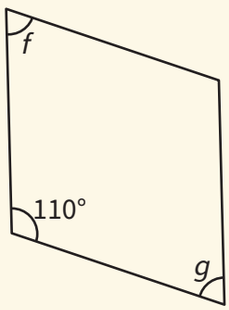
c)



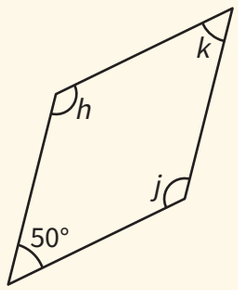
d)



e)



f)



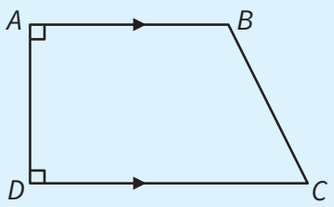
38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 170 13/11/24 14:11

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

D1 3-topshiriq

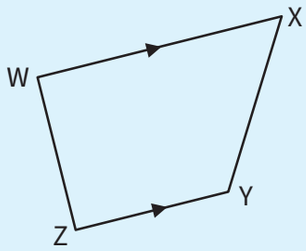
1 Quyidagi trapetsiyalarning parallel tomonlari juftligini yozing.

a)



_____ || _____

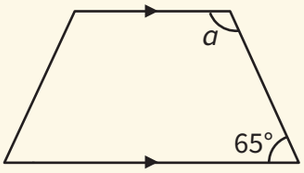
b)



_____ || _____

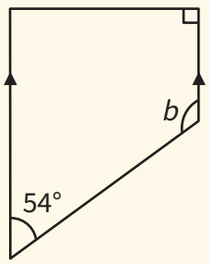
2 Quyidagi trapetsiyalarning noma'lum burchaklarini toping.

a)



$\angle a =$

b)

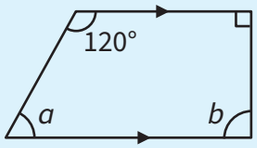


$\angle b =$

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3 Quyidagi trapetsiyalarning noma’lum burchaklarini toping.

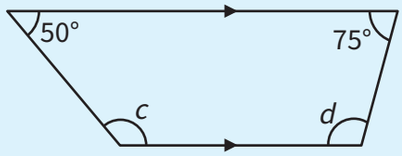
a)



$\angle a =$

$\angle b =$

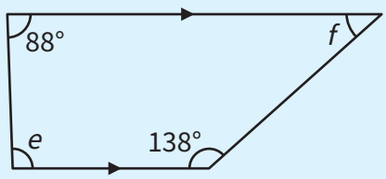
b)



$\angle c =$

$\angle d =$

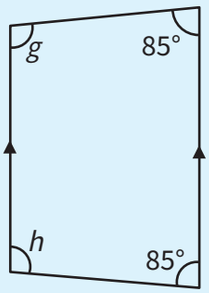
c)



$\angle e =$

$\angle f =$

d)



$\angle g =$

$\angle h =$

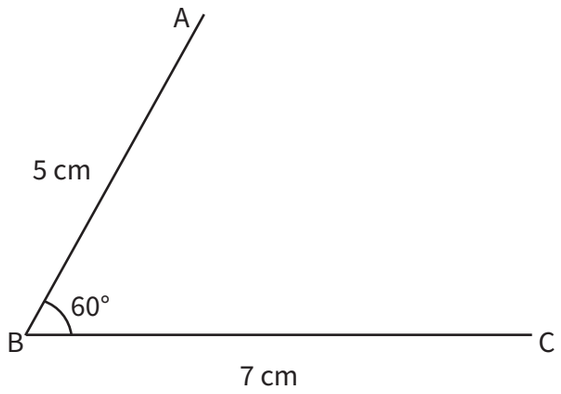
38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 172 13/11/24 14:11

Ism: Sinf: Sana:

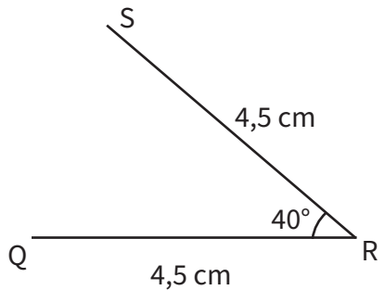
To‘rtburchaklarni chizish

D1 4-topshiriq

1 AB va BC kesmalar – ABCD parallelogrammning tomonlari. AB = 5 cm, BC = 7 cm va ∠ABC = 60°. Parallelogrammning AD va CD tomonlarini chizing.

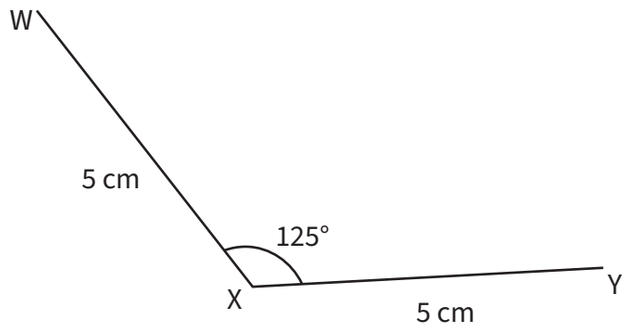


2 QR va RS kesmalar – PQRS rombning tomonlari. QR = RS = 4,5 cm va ∠QRS = 40°. Rombning SP va QP tomonlarini chizing.



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3 WX va XY kesmalar – WXYZ trapetsiyaning tomonlari. WZ kesma XY ga parallel. WZ = 12 cm, WX = XY = 5 cm, ∠WXY = 125° va ∠XYZ = 134°. Trapetsiyaning WZ va YZ tomonlarini chizing.



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

D2 5-topshiriq

1 Tomonlari AB = 4 cm, AD = 5 cm va ABC = 35° bo‘lgan ABCD parallelogramm chizing.

Xomaki nusxa

2 Tomonlari EF = 3 cm, EH = 4 cm va FEH = 130° bo‘lgan EFGH parallelogramm chizing.

Xomaki nusxa

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3 Tomoni JM = 4 cm va ∠JML = 140° bo‘lgan JKLM romb chizing.

Xomaki nusxa

4 Quyidagi shartlarni qanoatlantiruvchi PQRS trapetsiyani chizing:
PS || QR, PQ = 3 cm, QR = 6 cm va ∠PQR = 60°, ∠QRS = 40°.

Xomaki nusxa

5 Tomonlari WX = 5 cm, XY = 5,5 cm, WZ = 7,5 cm va ∠ XWZ = 90°
bo‘lgan WXYZ trapetsiya chizing.

Xomaki nusxa

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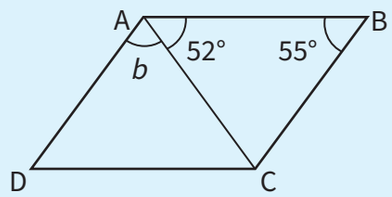
Ism: Sinf: Sana:

To‘rtburchakning noma’lum burchaklarini topish

D2 6-topshiriq

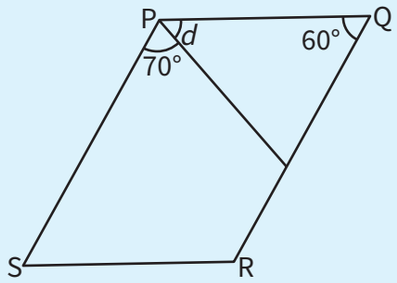
1 Noma’lum burchaklarni toping.

a) ABCD – parallelogramm.



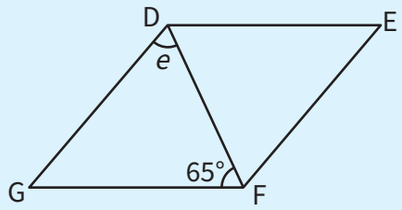
$\angle b$ =

b) PQRS – parallelogramm.



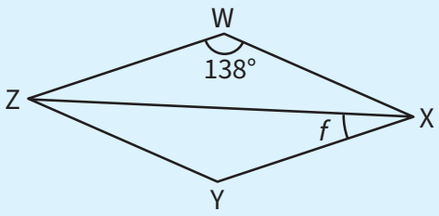
$\angle d$ =

c) DEFG – romb.



$\angle e$ =

d) WXYZ – romb.

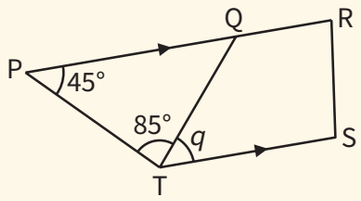


$\angle f$ =

38 MATEMATICS WORKBOOK G5 P2 UZB 220x290 208PG.indd 177 13/11/24 14:11

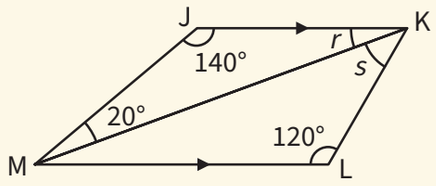
2 Noma'lum burchaklarni toping.

a) PQRST – trapetsiya.
PR va TS parallel.



$\angle q =$

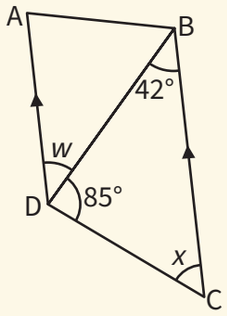
b) JKLM – trapetsiya.
JK va ML parallel.



$\angle r =$

$\angle s =$

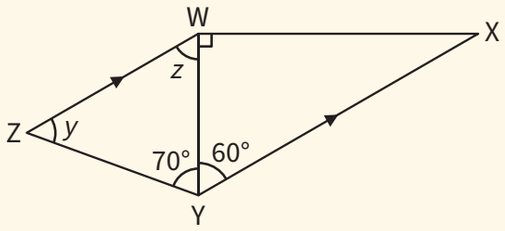
c) ABCD – trapetsiya.
DA va CB parallel.



$\angle x =$

$\angle w =$

d) WXYZ – trapetsiya.
ZW va YX parallel.



$\angle y =$

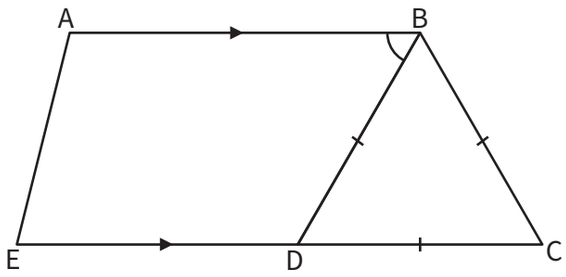
$\angle z =$

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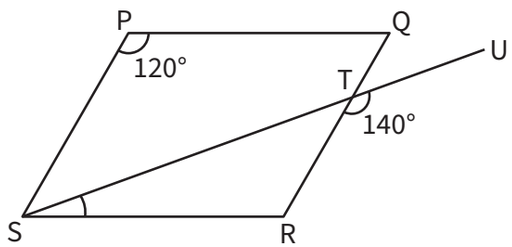
Ism: **Sinf:** **Sana:**

D3 7-topshiriq

1 ABDE – trapetsiya va BCD – teng tomonli uchburchak. ABD ni toping.

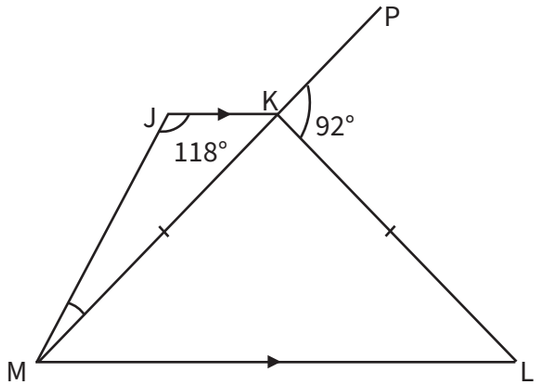


2 PQRS – parallelogramm va STU – to‘g‘ri chiziq. RST ni toping.

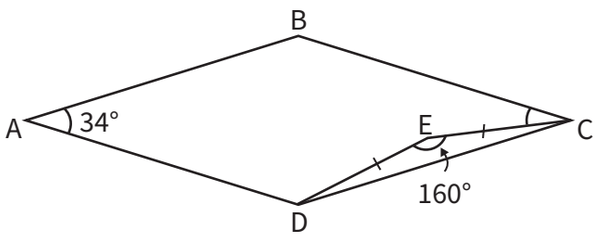


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3 JKLM – trapetsiya va JK || ML. KLM – teng yonli uchburchak va KL = KM. PKM – to‘g‘ri chiziq. ∠JMK ni toping.



4 ABCD – romb. CDE – teng yonli uchburchak va CE = DE. ∠DAB = 34° va ∠DEC = 160°. ∠BCE ni toping.



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

Amaliy topshiriq



To‘g‘ri burchakli uchburchaklardan to‘rtburchak hosil qiling.

Juftlikda ishlang.
201-betdagi to‘g‘ri burchakli uchburchaklarni qirqib oling.
So‘ng quyidagi shakllarni hosil qilish uchun qirqib olingan to‘g‘ri burchakli uchburchaklarni bo‘sh joyga yopishtiring.

a) Faqat 4 ta uchburchakdan foydalanib parallelogramm hosil qiling.

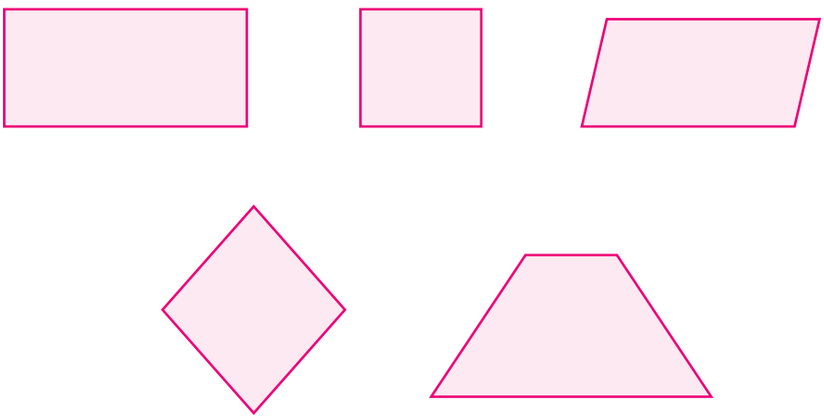
b) Faqat 3 ta uchburchakdan foydalanib trapetsiya hosil qiling.

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Matematika kundaligi



Uchburchak ichki burchaklarining yig‘indisi 180° ga tengligidan foydalanib, to‘rtburchaklar ichki burchaklarining yig‘indisi 180° × 2 = 360° ga tengligini ko‘rsating va tushuntiring.



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

II TAKRORLASH

A bo‘lim

Topshiriqlarni diqqat bilan bajaring.
Bo‘sh joyga javoblarni yozing.

1 Ifodaning qiymatini toping: $56 \div (8 - 4) \times 15 + 18$.

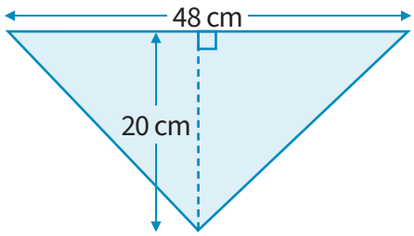
2 Ifodaning qiymatini toping: $\frac{7}{8} \times \frac{4}{21}$. Javobni qisqarmas oddiy kasr ko‘rinishida yozing.

3 Bo‘sh katakka noma’lum sonni yozing.

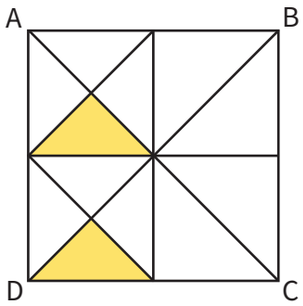
$\square : 13 = 24 : 52$

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4 Uchburchakning yuzini toping.



5 ABCD – kvadrat. Uning bo‘yalgan qismi shakl yuzining necha foizini tashkil etadi?



6 5 nafar o‘quvchining o‘rtacha massasi 36 kg. Ularning umumiy massasi qancha?

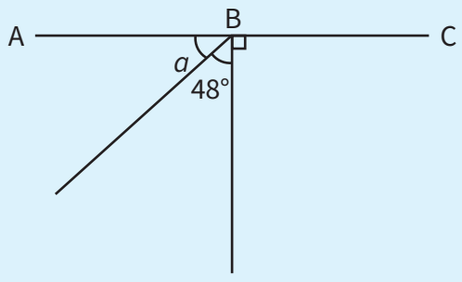
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7 Quyidagi jadvalda 4 nafar kishining ehson uchun ajratgan pul miqdori berilgan. Bir kishi ehson uchun ajratgan o‘rtacha pul miqdori qancha?

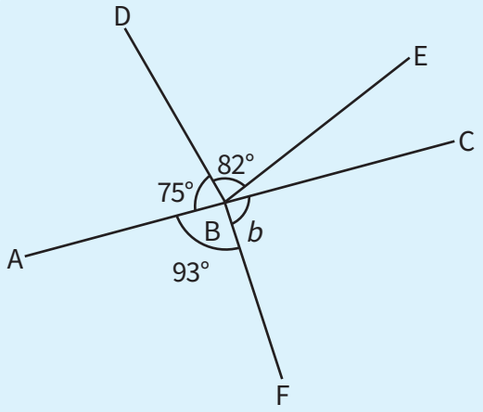
Ism	Miqdori
Anvar	10 000 so‘m
Komila	12 000 so‘m
Sofiya	8000 so‘m
Sarvar	18 000 so‘m

8 Noma’lum burchakni toping.
Quyidagi chizmalarda ABC – to‘g‘ri chiziq.

a)



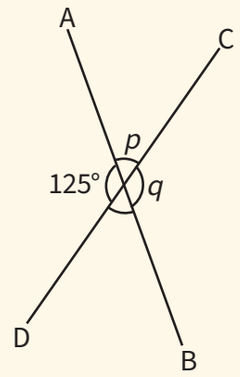
b)



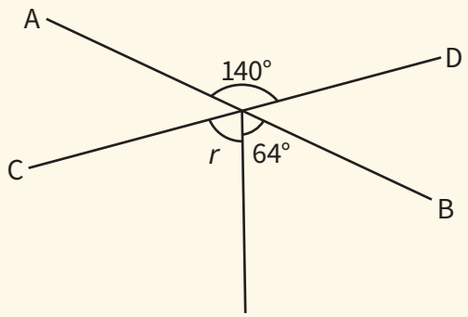
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9 Noma’lum burchakni toping.
Quyidagi chizmalarda AB va CD – to‘g‘ri chiziqlar.

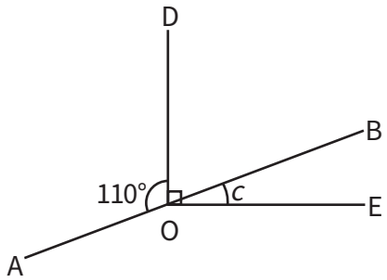
a)



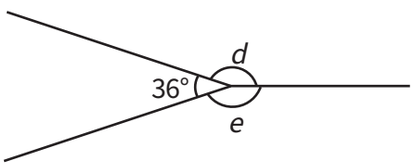
b)



10 a) Chizmada AOB – to‘g‘ri chiziq. $\angle c$ ni toping.



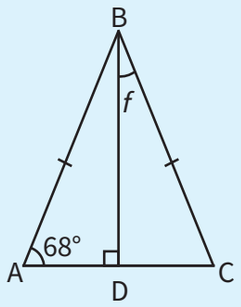
b) Chizmada $\angle d = \angle e$. $\angle d$ ni toping.



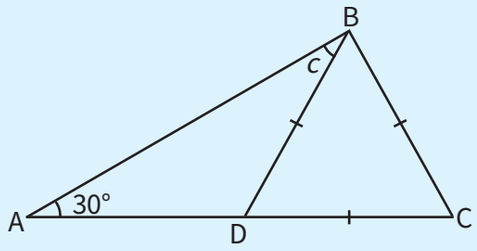
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11 Quyidagi shakllarning noma'lum burchaklarini toping.

a) ADC – to'g'ri chiziq.

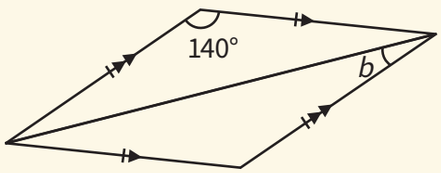


b) ADC – to'g'ri chiziq.

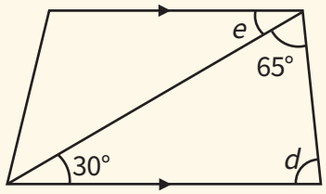


12 Quyidagi shakllarning noma'lum burchaklarini toping.

a)



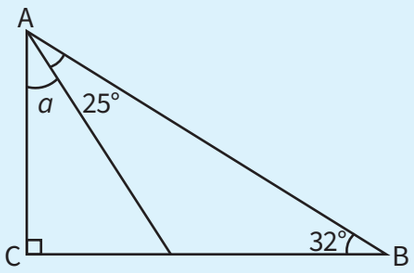
b)



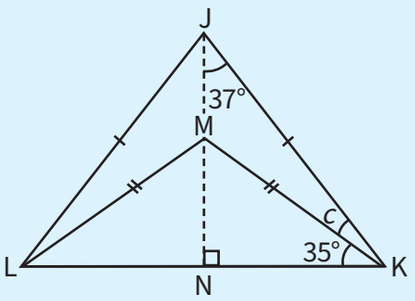
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13 Quyidagi shakllarning noma’lum burchaklarini toping.

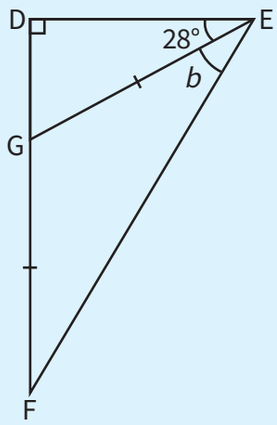
a) ABC – to‘g‘ri burchakli uchburchak.



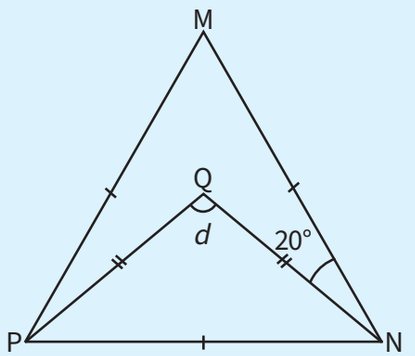
b) JKL va MKL – teng yonli uchburchaklar.



c) DEF – to‘g‘ri burchakli uchburchak.
EFG – teng yonli uchburchak.



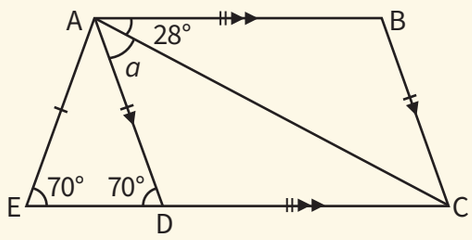
d) MNP – teng tomonli uchburchak.
NPQ – teng yonli uchburchak.



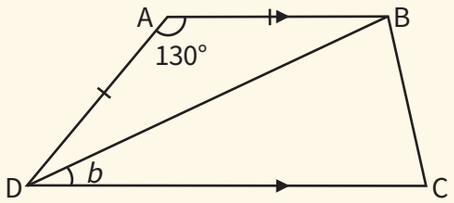
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14 Quyidagi shakllarning noma’lum burchaklarini toping.

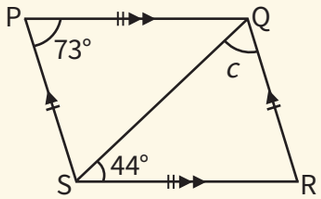
a)



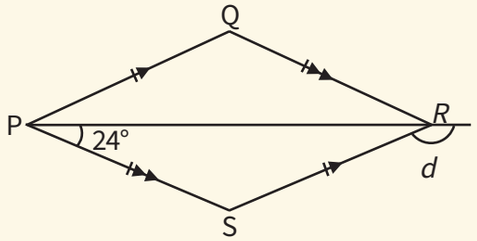
b)



c)

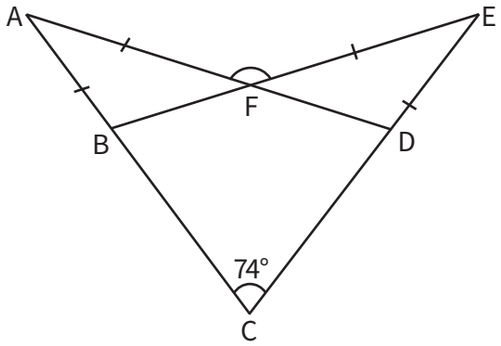


d)



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15 ACD va EBC – ikkita bir xil teng yonli uchburchak. ∠AFE ni toping.



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B bo‘lim

Matnli masalalarni yeching.
Bo‘sh joyga yechimlarni yozing.



1 Idishning sig‘imi 15 ℓ. Unga $9\frac{2}{5}$ ℓ suv quyildi. Idish to‘lishi uchun yana qancha suv quyish kerak?

2 Maryam pulining $\frac{1}{4}$ qismini olib qo‘ydi va qolgan pulning $\frac{5}{6}$ qismiga ko‘ylak sotib oldi.

Shundan so‘ng unda 12 000 so‘m pul qoldi. Maryamda dastlab qancha pul bo‘lgan?

3 3 nafar qiz pulni 4 : 3 : 5 nisbatda bo‘lib olishdi. Pulning eng katta qismi 85 000 so‘m. Pulning eng kichik qismini toping.

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4 Uskuna 6 minutda 150 ta kalit yasay oladi. U 15 minutda nechta kalit yasay oladi?



5 Rangli printer 30 minutda 750 sahifani chop eta oladi. Printer qancha vaqtda 4500 sahifani chop etadi? Javobni soatlarda ifodalang.

6 Mobil telefonning QQSsiz narxi 500 000 so‘m. 12% QQS bilan birga mobil telefonning narxi qancha bo‘ladi?

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7 Bankning omonat foizi yiliga 6%. Temur aka bankka bir yilga 16 000 AQSh dollari omonat qo‘ydi. U bir yilda jami qancha pul qaytarib oladi?

8 Uchta turli ertak kitobining o‘rtacha narxi 11 000 so‘m. Ikkita ertak kitobining birgalikdagi narxi 16 200 so‘m. Uchinchi kitobning narxi qancha?

9 Lola opada qizil va ko‘k rangdagi tugmalar bor. Qizil tugmalarning ko‘k tugmalarga nisbati 3 : 5. Agar undagi ko‘k tugmalar soni qizil tugmalar soniga qaraganda 14 ta ko‘p bo‘lsa, jami tugmalar soni nechta?

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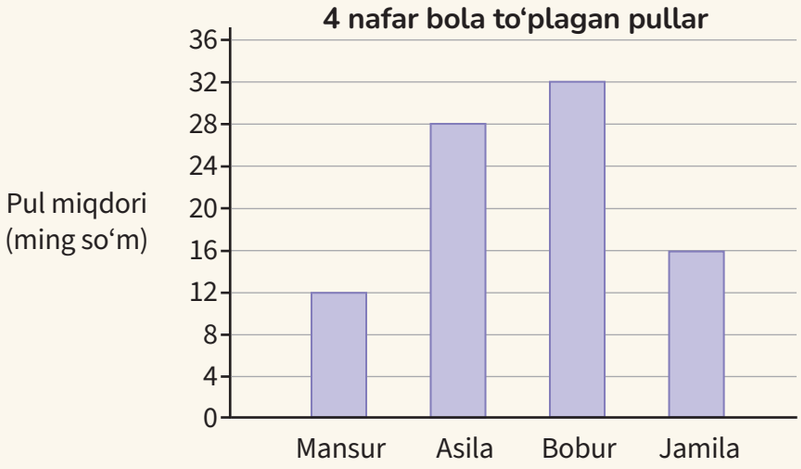
10 40 m^2 li polga plita yotqizish narxi 960 000 so‘m. 65 m^2 li polga plita yotqizish narxi qancha?

11 Kamola bitta kitob va 6 ta markerni 30 650 so‘mga sotib oldi. Samandar xuddi shunday bitta kitob va 2 ta markerni 20 250 so‘mga sotib oldi. Barcha markerlarning narxi bir xil. Kitobning narxini toping.

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12 Akmal har biri 2400 so‘mdan bo‘lgan 15 ta ruchka sotib oldi. Aksiya vaqtida bu ruchkaning narxi 400 so‘mga arzonlashdi. Agar Akmal ruchkalarni aksiya vaqtida sotib olganida, shu puliga yana nechta qo‘shimcha ruchka olgan bo‘lar edi?

13 Quyidagi ustunli diagrammada 4 nafar bola hafta davomida to‘plagan pullar miqdori berilgan. Bitta bola to‘plagan o‘rtacha pul miqdorini toping.

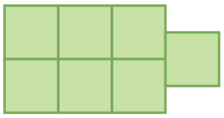


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14 A va B shakllar bir xil o‘lchamdagi kvadratlardan tashkil topgan bo‘lib, A shaklning perimetri 60 cm. B shaklning perimetrini toping.

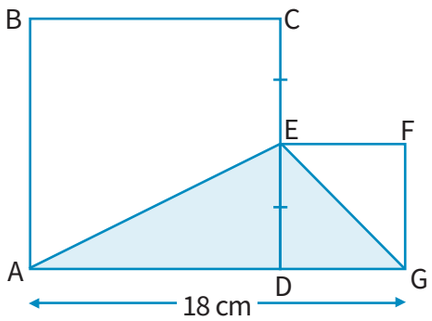


A shakl



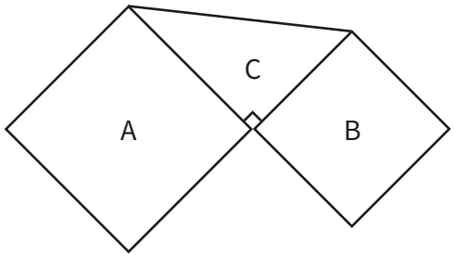
B shakl

15 Quyidagi shakl ikkita ABCD va EFGD kvadratlardan tashkil topgan. AG = 18 cm va CE = ED. ADG – to‘g‘ri chiziq. AEG uchburchakning yuzini toping.



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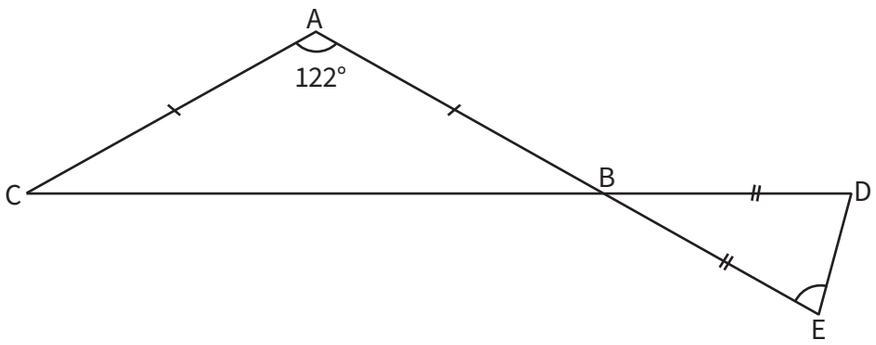
16 Quyidagi shakl ikkita A va B kvadrat hamda bitta C to‘g‘ri burchakli uchburchakdan tashkil topgan. A kvadratning yuzi 81 cm^2 va B kvadratning yuzi 49 cm^2 ga teng. C uchburchakning yuzini toping.



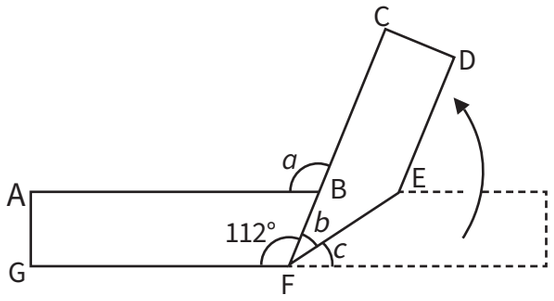
17 Avtoturargohda transport vositalarini qo‘yish uchun 300 ta joy bor. Ulardan 40 foizi yengil avtomobil, 15 foizi mototsikl va qolgani yuk mashinalariga mo‘ljallangan. Avtoturargohda yuk mashinasini qo‘yish uchun nechta joy bor?

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18 ABC va BDE – teng yonli uchburchaklar. AB = AC va BD = BE. ABE va CBD – to‘g‘ri chiziqlar. ∠BED ni toping.



19 To‘g‘ri to‘rtburchak shaklidagi qog‘oz rasmda ko‘rsatilganidek buklandi. Noma’lum *a, b* va *c* burchaklarni toping.

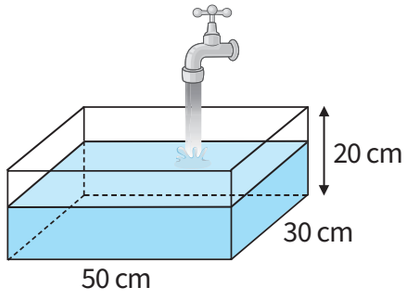


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20 Kuboid shaklidagi bo‘sh idishning o‘lchamlari 50 cm, 30 cm va 20 cm. Unga minutiga 2 ℓ tezlik bilan jo‘mrakdan suv tusha boshladi.

a) Idishning sig‘imi necha litr?

b) Idish necha minutda to‘ladi?



21 Jadvalda Davronning 3 ta kompyuter o‘yinida to‘plagan ballari keltirilgan.

	Ballar
1-o‘yin	100 ball
2-o‘yin	106 ball
3-o‘yin	118 ball

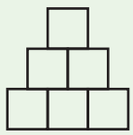
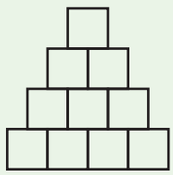
a) Uning kompyuter o‘yinlarida to‘plagan o‘rtacha balli qancha?

b) U keyingi o‘yinda o‘zining o‘rtacha ballini 5 ballga oshirishni xohlaydi. Buning uchun u 4-o‘yinda necha ball olishi kerak?

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22 Yangi yil tadbiridagi o‘g‘il bolalar, qizlar va kattalarning umumiy soni 288 nafar. O‘g‘il bolalar soni kattalar sonidan 2 marta, qizlar sonidan esa 12 nafarga ko‘p. Tadbirdagi qizlar sonini toping.

23 Quyidagi shakllar bir xil kvadratlardan tashkil topgan. Har bir kvadratning tomoni 2 cm ga teng. 1-, 2- va 3-shakllarning perimetrlari berilgan.

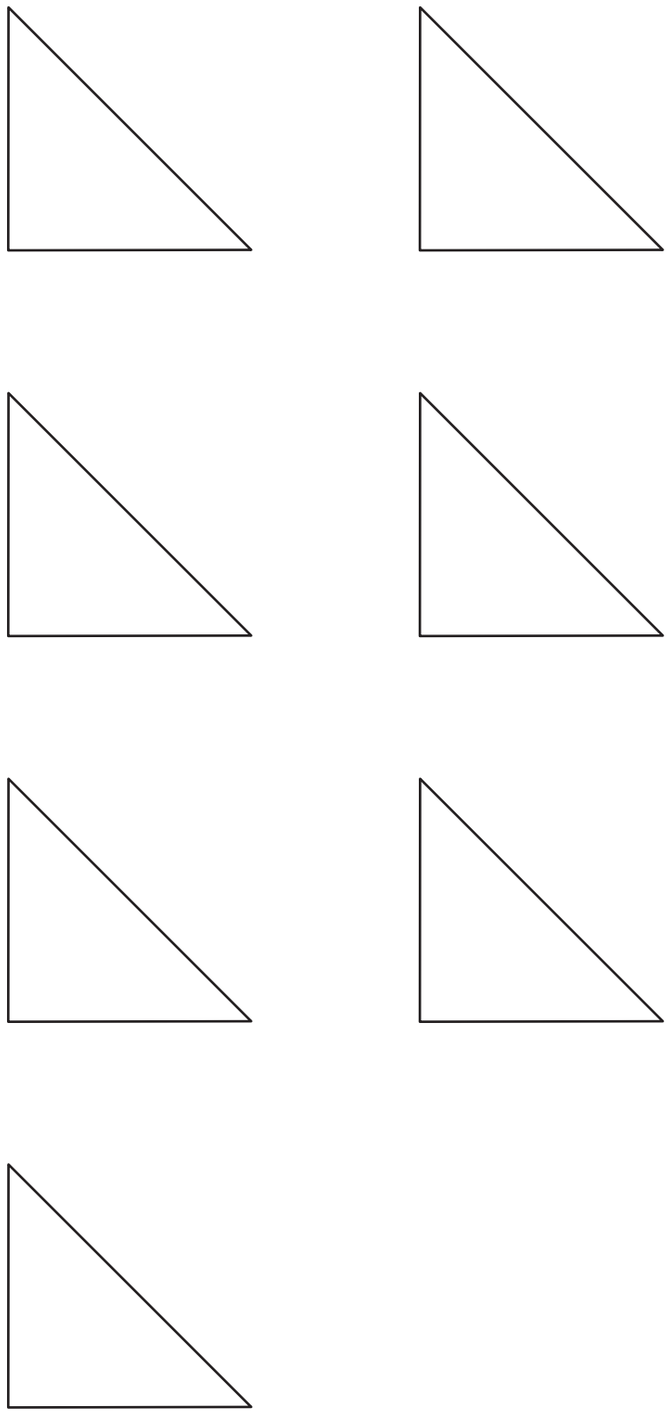
1-shakl	2-shakl	3-shakl	4-shakl	5-shakl
				
Perimetri = 8 cm	Perimetri = 16 cm	Perimetri = 24 cm	?	?

a) 5-shaklni chizing.
b) 4- va 5-shakllarning perimetrini toping.
c) 100-shakl nechta kvadratdan iborat bo‘ladi?

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Qirqma materiallar

181-betdagi amaliy topshiriq uchun ilova.
Quyidagi uchburchaklar bir xil. Ularni kesib oling.



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