

4-sinf o'quvchilari uchun matematika fanidan
TIMSS test topshiriqlari namunalari

“Bilish” kognitiv domeniga doir topshiriqlar

1.1. Natural sonlar.

M4_01

Azizada raqamli kartochkalar bor



U kartochkalar yordamida qaysi eng kichik uch xonali sonni ko'rsata oladi?
U har bir kartorchkadan faqat bir marta foydalanishi mumkin.

Javob: _____

M4_02

9 · 22 ga eng yaqin bo'lgan javob qaysi?

A) 5 · 20

B) 5 · 25

C) 10 · 20

D) 10 · 25

M4_03

$$3 + 8 = \square + 6$$

Tenglik to'g'ri bo'lishi uchun bo'sh katakchaga qaysi son yozilishi kerak?

A) 17

B) 11

C) 7

D) 5

M4_04

Qaysi sonda 8 raqami 800 ni bildiradi?

A) 1468

B) 2587

C) 3809

D) 8634

1.2. Oddiy va o'nli kasrlar

M4_05

Qaysi kasr qolgan kasrlarga teng emas?

A) $\frac{1}{2}$

B) $\frac{4}{8}$

C) $\frac{2}{4}$

D) $\frac{2}{8}$

M4_06

Tort 8 ta bo'lakka kesildi. Jasur tortning 3 ta bo'lagini yedi. Jasur tortning qancha qismini yegan?

Javob: _____

M4_07

Qaysi kasr $\frac{1}{2}$ ga teng?

A) $\frac{3}{5}$

B) $\frac{3}{6}$

C) $\frac{3}{8}$

D) $\frac{3}{10}$

1.3. Sonli ifodalar va tenglamalar

M4_08

Tenglik o'rinli bo'lishi uchun \square o'rniga qanday raqam qo'yish kerak?

$$4 \cdot \square = 28$$

Javob: _____

M4_09

Jamilada 12 ta olma bor edi. U bir nechta olmani yedi va unda 9 ta olma qoldi. Qaysi sonli ifoda nima sodir bo'lganligini to'g'ri tasvirlaydi?

A) $12+9=\square$

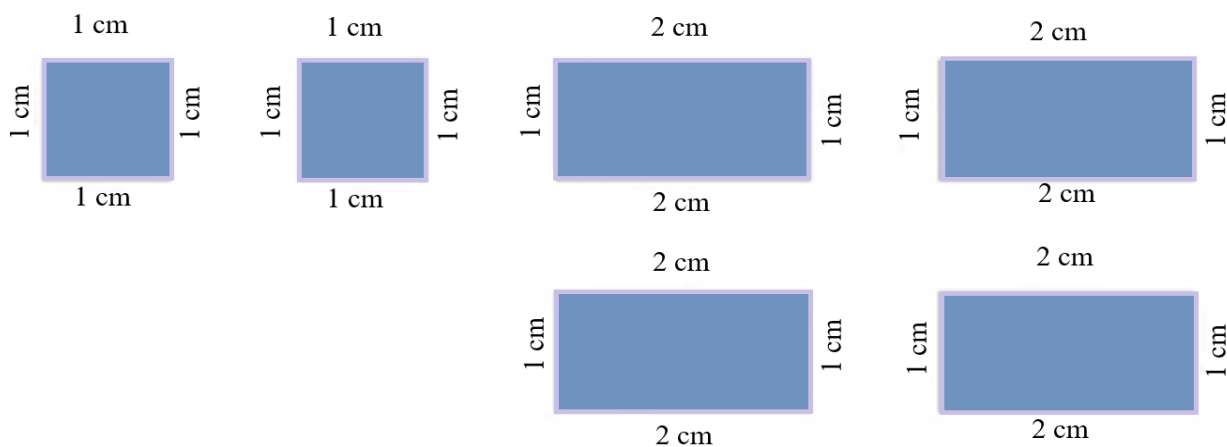
B) $9=12+\square$

C) $12-\square=9$

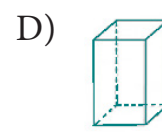
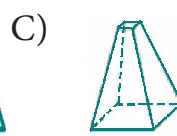
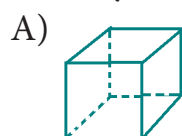
D) $9-\square=12$

1.4. Shakllarni tekislikda tasvirlash

M4_10

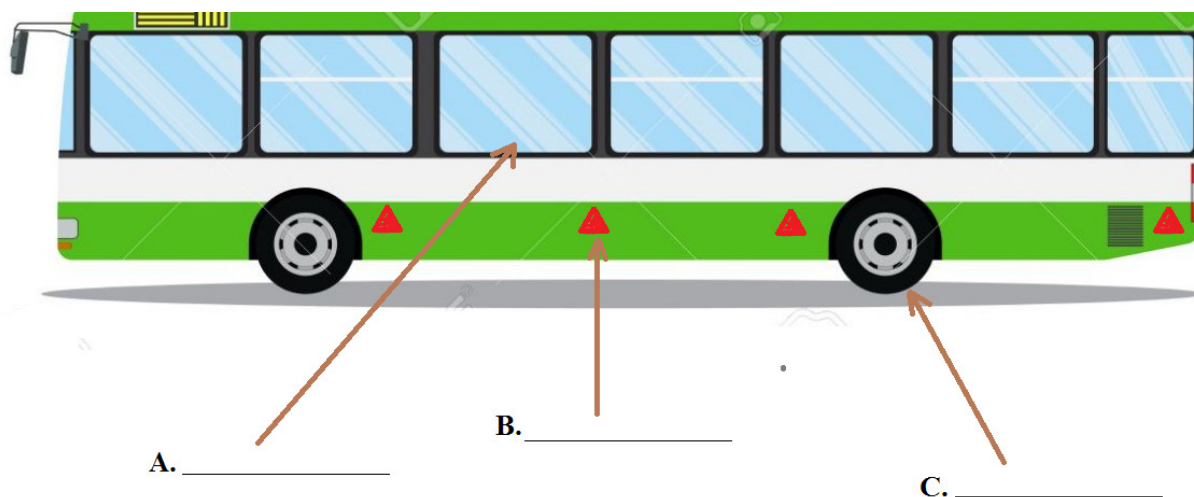


Yuqorida ko'rsatilganidek, Sevarada 6 ta karton bo'laklari bor. Sevara quyidagi shakllarning qaysi birini ushbu oltita karton bo'laklarini kesmasdan yasay olishi mumkin?

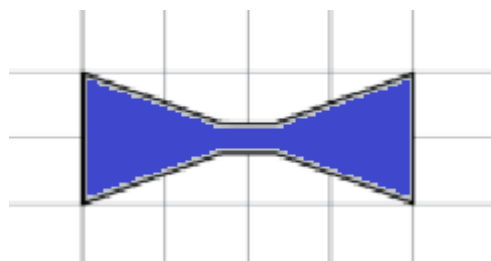


M4_11

A, B, C joylarga ko'rsatilgan geometrik shakl nomlarini yozing.



M4_12







Berilgan shaklda nechta simmetriya o'qi bor?

- A) 1 B) 2 C) 3 D) 4

M4_13

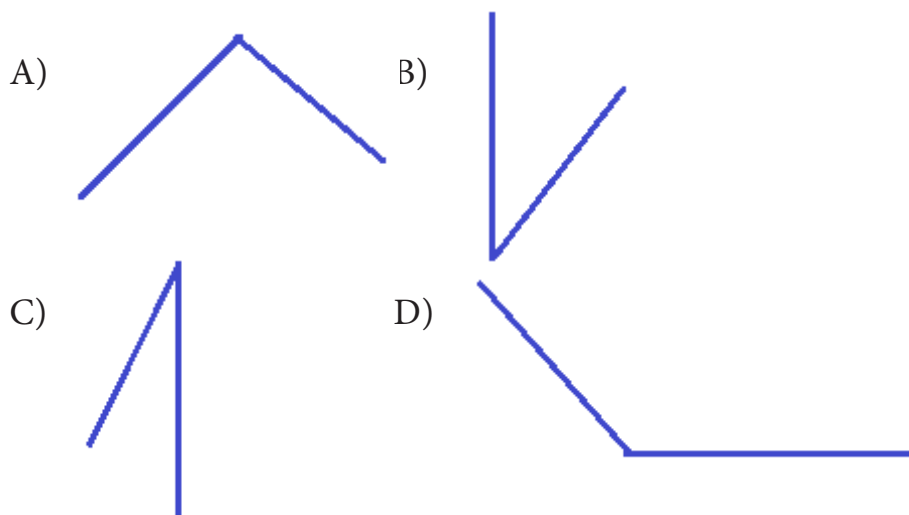
Ketma-ketlik qoidasida aytilgan: "Ushbu shaklni har gal soat yo'nalishi bo'ylab $\frac{1}{4}$ ga aylantiring".

- A)  B) 
- C)  D) 

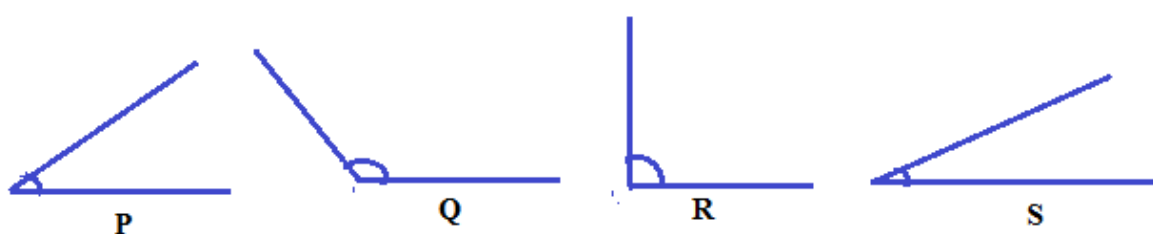
1.5. Nuqtalar, kesmalar va burchaklar

M4_14

Ushbu burchaklardan qaysi biri to'g'ri burchak?



M4_15



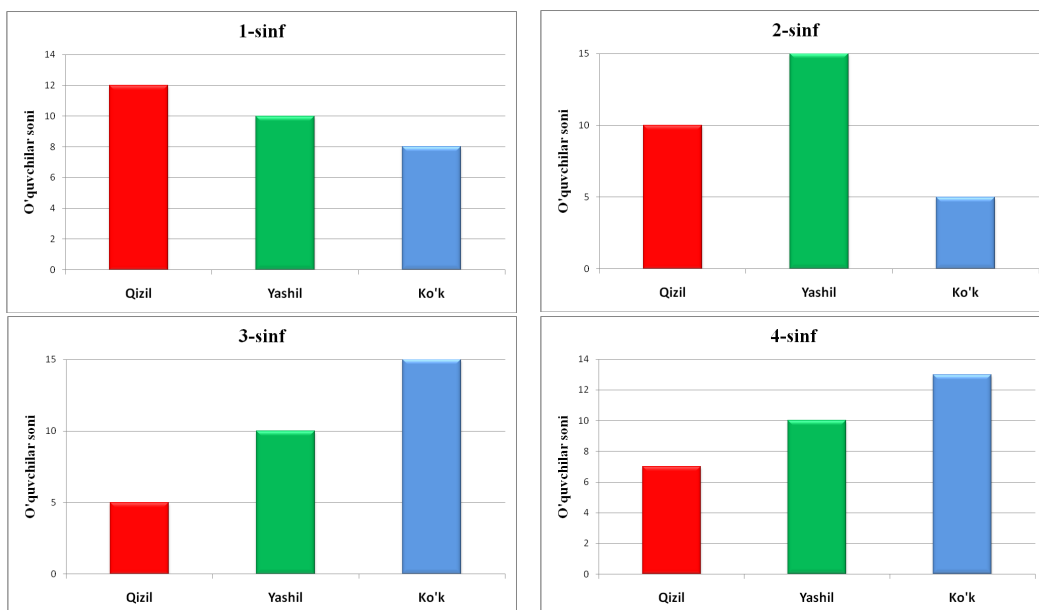
Quyidagi javoblarning qaysi birida burchaklar eng kichigidan eng kattasigacha bo'lgan tartibda berilgan?

- A) Q, P, R, S B) S, P, R, Q C) Q, R, P, S D) S, R, P, Q

1.6. O'qish va ma'lumotlarni talqin qilish

M4_16

Ahmad 4 ta sinf o'quvchilari o'rtasida o'zlarining yoqtirgan ranglari haqida so'rovnomani o'tkazdi.



Qaysi sinfda o'quvchilar ko'k rangni eng kam tanlashgan?

A) 1-sinf

B) 2-sinf

C) 3-sinf

D) 4-sinf

M4_17

Sevimli muzqaymoq ta'mi

Ta'mi	Bolalar soni
Vanilin	
Shokolad	
Qulupnay	
Limon	



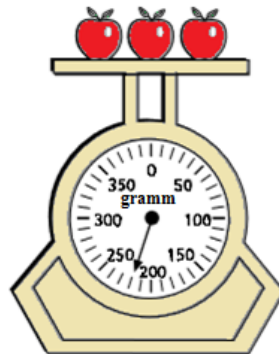
- 4 nafar bolani anglatadi

Necha nafar bola o'zlarining sevimli ta'mi sifatida vanilinli muzqaymoqni tanlashdi?

Javob: _____

M4_18

Olmaning og'irligini grammda belgilang.



A) 200

B) 202

C) 210

D) 220

“Qo‘llash” kognitiv domeniga doir topshiriqlar

1.1. Natural sonlar

M4_19

Kemada 218 nafar yo‘lovchi va 191 nafar ekipaj a‘zosi bor. Kemada qancha odam bor?

Javob:_____

M4_20

Bo‘yoq 5 litrlik bankalarda sotiladi. Sanjarga 37 litr bo‘yoq kerak. U nechta banka sotib olishi zarur?

A) 5

B) 6

C) 7

D) 8

M4_21

600 ta kitobni har bir qutiga 15 tadan joylashtirish kerak. Nechta quti kerak bo‘lishini aniqlash uchun quyida keltirilgan qaysi amaldan foydalanish mumkin?

A) 15 ga 600 ni qo‘shish

B) 600 ni 15 ga ko‘paytirish

C) 600 dan 15 ni ayirish

D) 600 ni 15 ga bo‘lish

M4_22

Marjonada 50 zed bor. Har bir kitobning narxi 12 zed. Marjona qancha kitob sotib olishi mumkin?

Javob:_____

M4_23

Poyezd ertalab soat 7 dan 52 minut o‘tganda birinchi shahardan chiqib, ikkinchi shaharga shu kuni kunduzi soat 11 dan 06 minut o‘tganda yetib boradi.

Poyezd qancha vaqt yo‘l yurgan?

Javob:_____

M4_24

Poyezd Toshkentdan ertalab soat 8:45 da jo‘nadi. U Samarqandga 2 soat 18 minutda yetib keldi. Poyezd Samarqandga soat nechada yetib keldi?

A) 11:15

B) 11:13

C) 11:03

D) 10:53

1.2. Oddiy va o‘nli kasrlar

M4_25

Damir avval 4,8 km masofani mashinada, so‘ngra 1,5 km masofani avtobusda bosib o‘tdi. Damir qancha masofani bosib o‘tgan?

A) 6,3 km

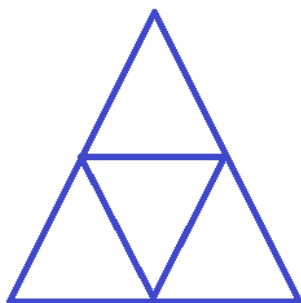
B) 5,8 km

C) 5,13 km

D) 4,95 km

M4_26

Katta uchburchakning $\frac{1}{2}$ qismini bo'yang.



M4_27

Boburda 10 zed bor. Tushlik uchun u bir shisha meva sharbatini 2,50 zedga, sendvichni esa 3,85 zedga sotib oladi. Bobur tushlik uchun pul to'laganidan so'ng unda qancha pul qoladi?

- A) 3,65 zed B) 6,35 zed C) 4,75 zed D) 16,35 zed

1.3. Sonli ifodalar va tenglamalar

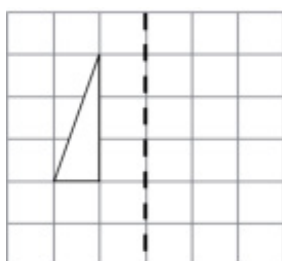
M4_28

▲ belgi Akromdagi qalamlar sonini anglatadi. Kamol Akromga yana 3 dona qalam berdi. Akromda nechta qalam bor?

- A) 3: ▲ B) ▲ +3 C) ▲ -3 D) 3 · ▲

M4_29

Berilgan uchburchakka simmetrik bo'lgan uchburchak chizing



1.4. Shakllarni tekislikda tasvirlash

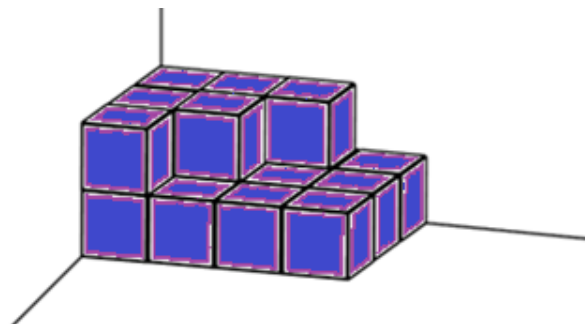
M4_30

Maktab o'yin maydonchasi kvadrat shaklida. Maydoncha tomonining uzunligi 100 metr. Ra'no maydonchani atrofni to'liq aylanib chiqdi. U qancha masofani bosib o'tgan?

- A) 100 metr B) 200 metr C) 400 metr D) 10000 metr

M4_31

Aziza xonaning burchagiga qutilarni joyladi. Barcha qutilar bir xil o'chamda. U nechta qutini joyladi?



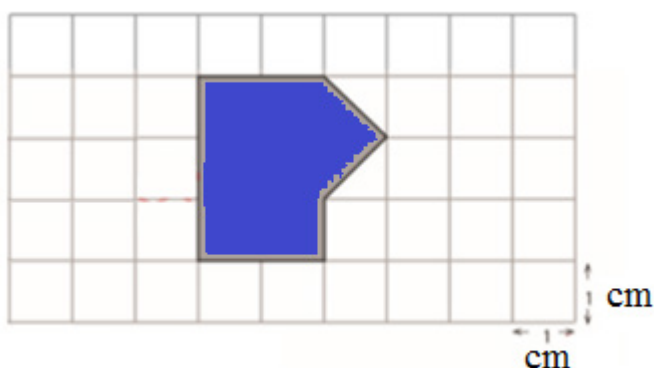
A) 25

B) 19

C) 18

D) 13

M4_32



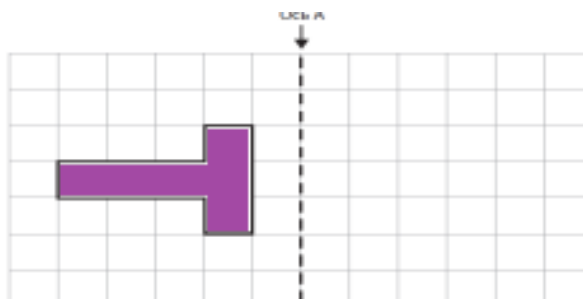
Yuqoridagi kvadrat katakchalar 1 cm ga 1 cm.

Bo'yalgan shaklning yuzasi necha santimetr kvadratga teng?

Javob: _____ santimetr kvadrat

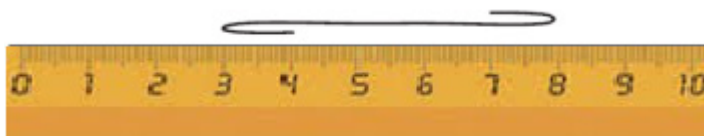
M4_33

Berilgan shaklga simmetrik bo'lgan shaklni yasang.



1.5. Nuqtalar, kesmalar va burchaklar

M4_34



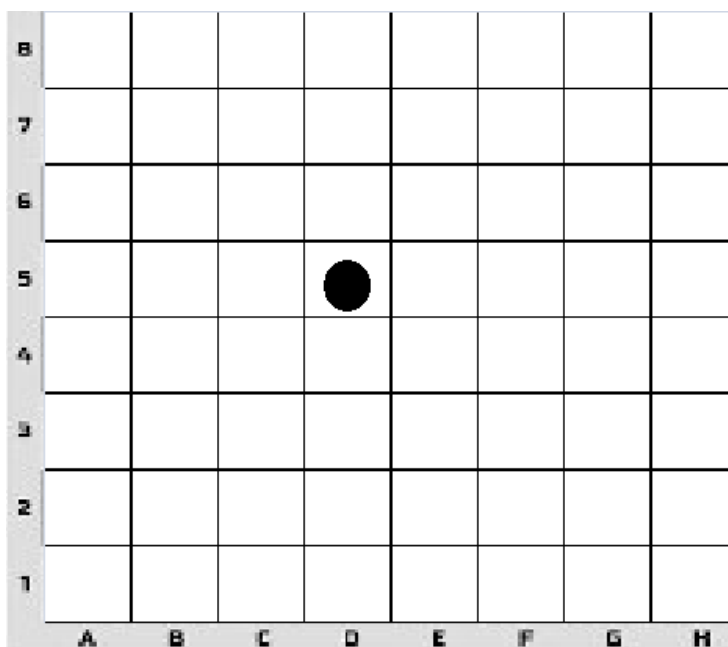
Agar rasmda ko'rsatilgan ip to'g'rilansa, uning uzunligi taxminan nechaga teng bo'ladi?

- A) 5 sm B) 7 sm C) 8 sm D) 9 sm

M4_35

90° dan katta 180° dan kichik bo'lgan burchak yasang.

M4_36



Jasur kvadratlarga bo'lingan doskada o'yin o'ynamoqda. Uning toshi D5 kvadratida joylashgan. Quyidagi qaysi bir harakatlar natijasida uning toshi G7 kvadratida joylashadi?

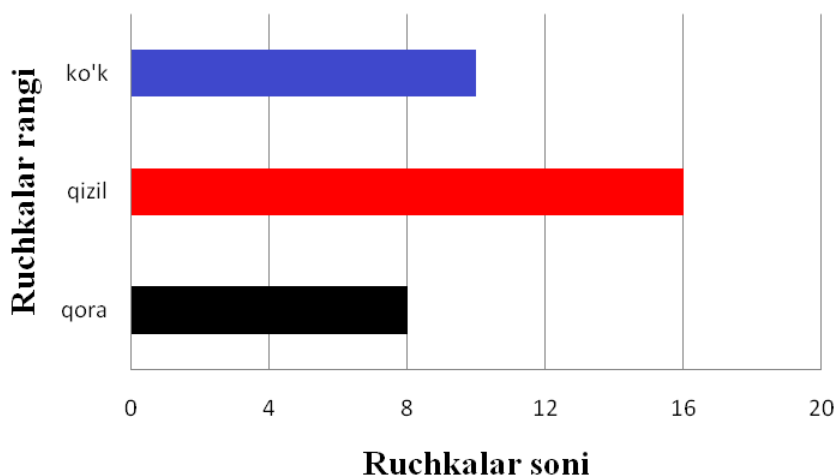
- A) o'ngga 2 kvadrat va yuqoriga 3 kvadrat
B) chapga 2 kvadrat va yuqoriga 3 kvadrat
C) o'ngga 3 kvadrat va yuqoriga 2 kvadrat
D) chapga 3 kvadrat va yuqoriga 2 kvadrat

1.6. O'qish va ma'lumotlarni talqin qilish

M4_37

Diagrammada o'qituvchining stoli ustida turgan ko'k, qizil va qora ruchkalarining soni ko'rsatilgan. Qora ruchkalarga qaraganda qizil ruchkalar qanchaga ko'p?

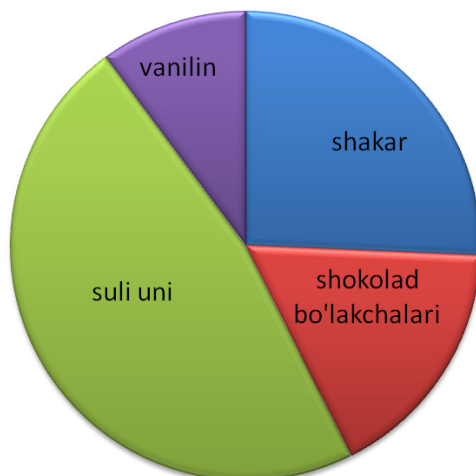
O'quvchilarning ruchkalari



- A) 2 taga ko'p B) 4 taga ko'p C) 6 taga ko'p D) 8 taga ko'p

M4_38

Ushbu diagrammada mahalliy oziq-ovqat do'konida sotilgan pishiriq masallig'lari ko'rsatilgan.



Ushbu oziq-ovqat do'konida qaysi pishiriq masallig'i eng ko'p sotilgan?

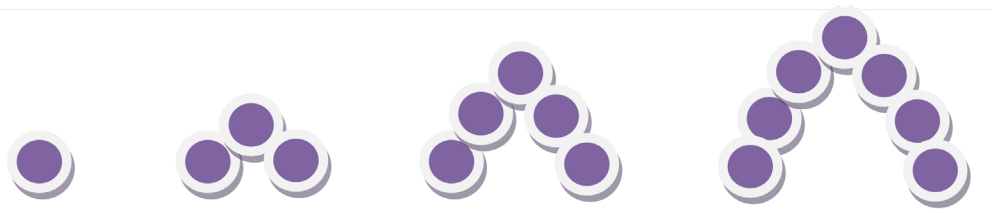
- A) suli uni B) vanillin C) shokolad bo'lakchalari D) shakar

M4_39

Agar 3, 6, 9, 12 ketma-ketligi davom ettirilsa, unda quyidagi sonlarning qaysi biri ushbu ketma-ketlikka tegishli bo'ladi?

- A) 26 B) 27 C) 28 D) 29

M4_40



1-shakl

2-shakl

3-shakl

4-shakl

Yuqorida to'rtta shakl ketma-ketlikda ko'rsatilgan

A. 4-shakl uchun quyidagi jadvalni to'ldiring

Shakl	Aylanalar soni
1-shakl	1
2-shakl	3
3-shakl	5
4-shakl	

B. Agar 5-shakl bor bo'lganida, unda nechta aylana bo'lardi?

Javob: _____

C. Agar shakllar davom ettirilsa, 10-shaklda nechta aylana bo'lardi?

(Shakllarni chizmang.)

Javob: _____

“Mulohaza yuritish” kognitiv domeniga doir topshiriqlar

1.1. Natural sonlar

M4_41

Xaritaning masshtabi quruqlikdagi 4 kilometr xaritadagi 1 santimetrni ifodalashini bildiradi. Xaritadagi ikkita shahar orasidagi masofa 8 santimetrga teng. Bu ikkita shahar orasidagi masofa necha kilometr?

A) 2

B) 8

C) 16

D) 32

M4_42

Shahar ko'rgazmasida kartochkalar bilan savdo qiladigan do'kon bor.



1 ta yo'lbars kartochkasining qiymati 2 ta animatsion kartochkaga teng

2 ta yo'lbars kartochkasining qiymati 3 ta sport kartochkasiga teng.
Ba'zi bolalar savdo kartochkalarini olish uchun do'konga borishdi.



A) Bahoroyda animatsion kartochkalarga almashtirish uchun 5 ta yo'lbars kartochkasi bor edi. U nechta animatsion kartochka olishi mumkin?

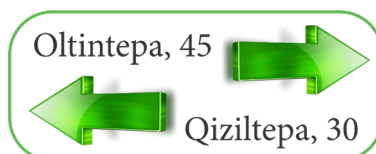
Javob: _____ ta animatsion kartochka

B) Jasurda sport kartochkalarga almashtirish uchun 8 ta yo'lbars kartochkasi bor edi. U nechta sport kartochkasi olishi mumkin?

Javob: _____ ta sport kartochkasi.

M4_43

Malika Qiziltepadan yo'lga chiqib, bir xil tezlikda 2 soat yo'l yurdi. U ushbu yo'l belgisiga yetib keldi.



Malika o'sha bir xil tezlik bilan Oltintepaga yo'lni davom ettirmoqda.
Yo'l belgisidan to Oltintepagacha unga necha soat kerak bo'ladi?

A) $1\frac{1}{2}$ soat

B) 2 soat

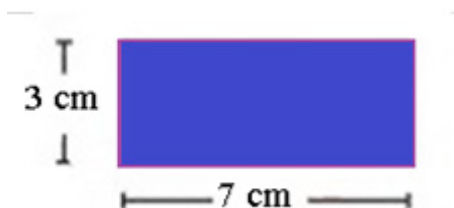
C) 3 soat

D) soat



1.2. Shakllarni tekislikda tasvirlash

M4_44



Ushbu to'rtburchakning perimetri qancha?

A) 7 cm

B) 10 cm

C) 20 cm

D) 21 cm

M4_45

Aziza rasmda ko'rsatilgan muzqaymoqlarni sotib oldi.



Narxi 22 zed.

Nozima quyidagicha muzqaymoq sotib oldi



Narxi 14 zed



A)

Jami muzqaymoqning narxi qancha?

Javob: _____ zed.

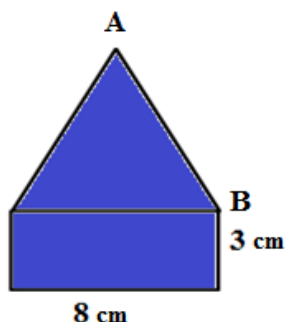
B)



muzqaymoqning narxi qancha?

Javob: _____ zed.

M4_46

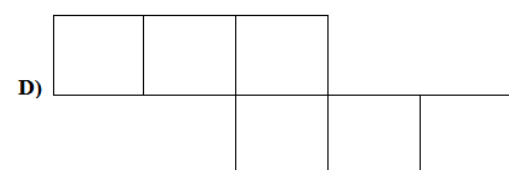
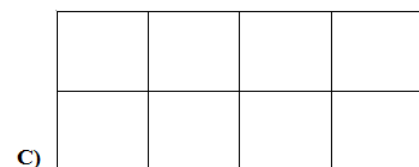
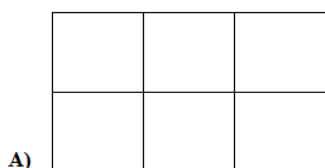


Yuqorida ko'rsatilgan rasmdagi figura to'g'ri to'rtburchak va uchta teng tomonlarga ega bo'lgan uchburchakdan yasalgan. AB tomonning uzunligi necha santimetr bo'ladi?

Javob: _____

M4_47

Ushbu figuralarning qaysi biri eng katta yuzaga ega?



1.3. Ma'lumotlarni o'qish va talqin qilish

M4_48

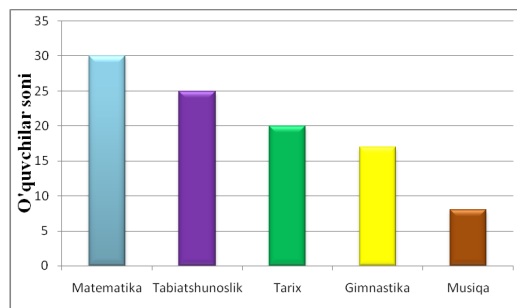
Maktab rahbari o'quvchilar o'rtasida qaysi fanni ko'proq yoqtirishlari haqida so'rovnoma o'tkazdi. Doiraviy diagrammada 5 ta fandan o'quvchilarga qaysi fan ko'proq yoqishi ko'rsatilgan?

SEVIMLI FAN

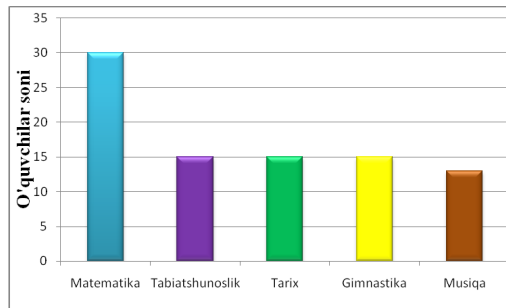


Quyidagi qaysi ustunli diagrammada doiraviy diagrammadagi xuddi shunday ma'lumotlar ko'rsatilgan?

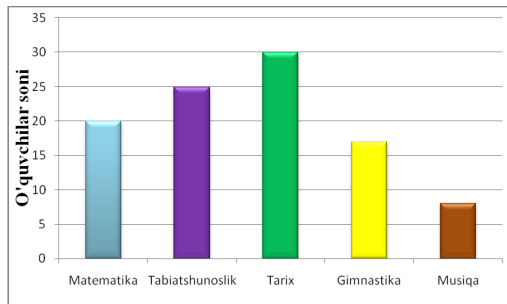
A)



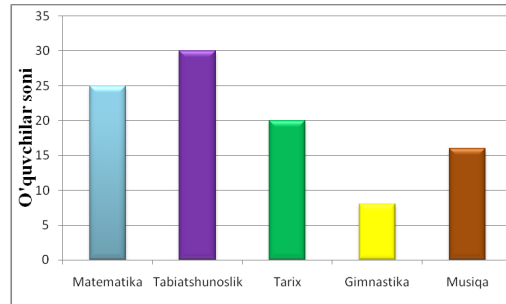
B)



C)

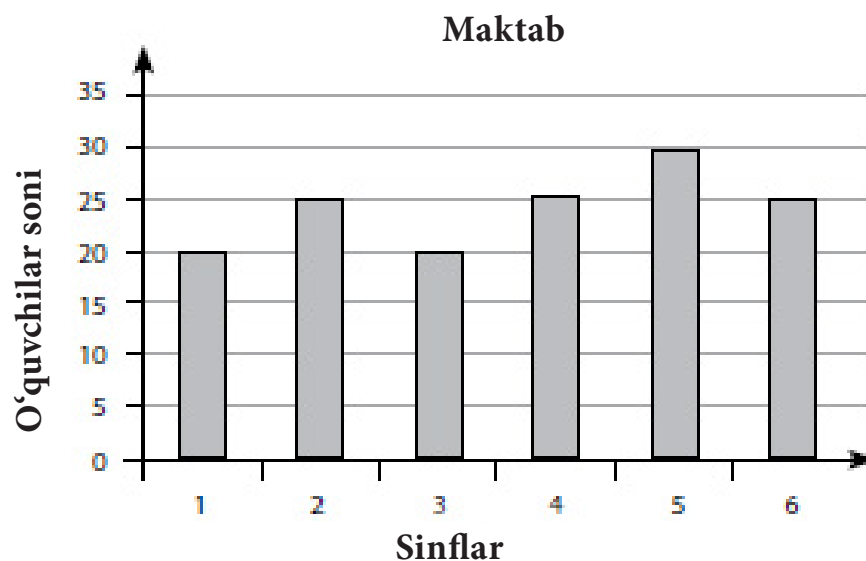


D)



M4_49

Grafikda maktabning har bir sinfidagi o'quvchilar soni ko'rsatilgan.



Maktabning har bir sinf xonasi 30 nafar o'quvchiga mo'ljallangan. Maktabda necha nafarga ko'proq o'quvchi bo'lishi mumkin edi?

A) 20

B) 25

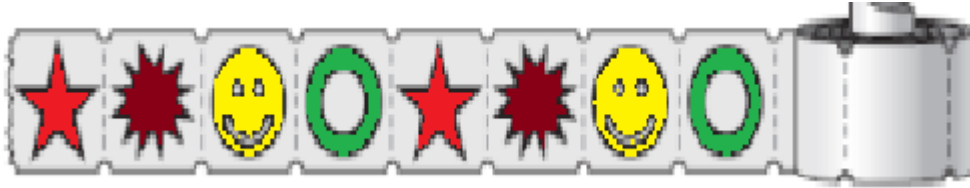
C) 30

D) 35

1.4. Ketma-ketliklar va bo'g'liqliklar

M4_50

Rasmda stikerli g'altak o'rami tasvirlangan. Har 4 ta stiker o'ramda takrorlanadi.



O'ramdagi 39-stiker qanday tasvirlangan

A)



B)



C)



D)

