

1, 2, 3, 4, 5 raqamlarni kataklarga shunday joylashtiringki, quyidagi ifoda to'g'ri bo'lsin.

$$\begin{array}{cc} & \square + \square \\ & \downarrow \\ 2 & \square ? - \square \\ 4 & & \\ 5 & & \\ 1 & 3 & \\ & & \downarrow \\ & & \square \end{array}$$

So'roq belgisi o'rnida qaysi raqam turishi kerak?

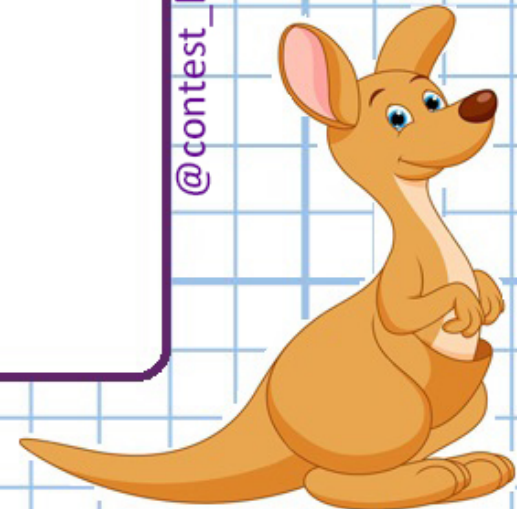
- A) 1 B) 2 C) 3 D) 4 E) 5

2 sinflar. 5 Ball

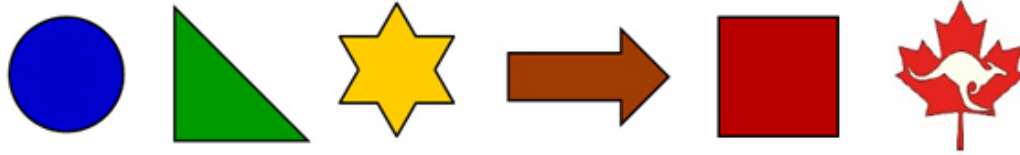
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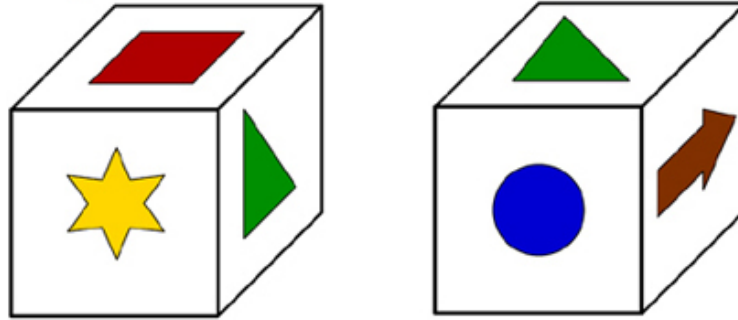
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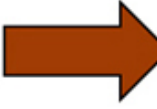
Kubikning 6 ta tomonida 6 xil belgi tasvirlangan:



Quyidagi rasmda shu kubikning ikki tarafdin qaragandagi ko`rinishi berilgan.



Kubikning Kanadadagi Kenguru tanlovining emblemasi  qarshisidagi tomonida qanday belgi aks etgan?

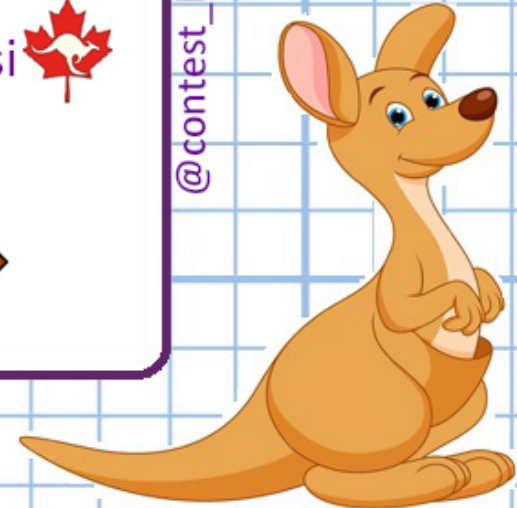
- A)  B)  C)  D)  E) 

2 sinf. 5 Ball

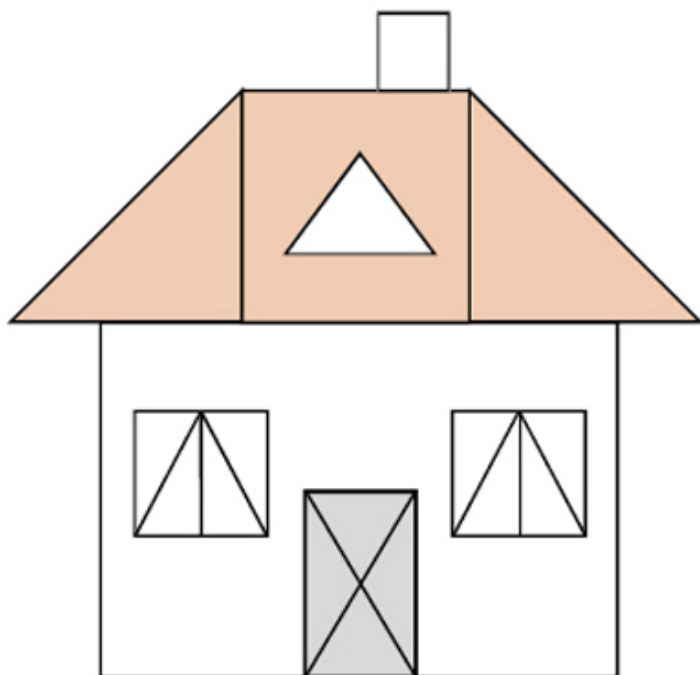
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Rasmda nechta uchburchak bor?



A) 15

B) 17

C) 19

D) 21

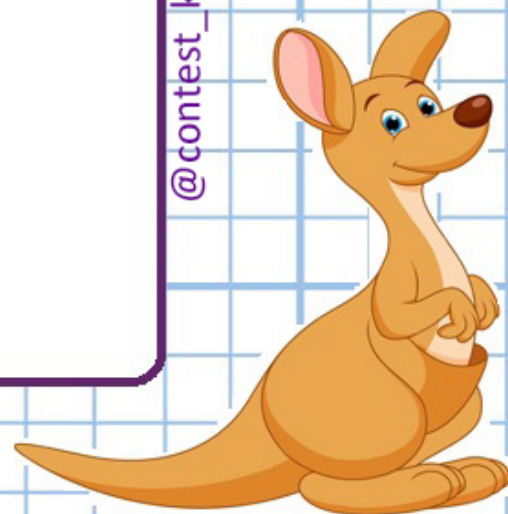
E) 25

2 sinf. 5 Ball

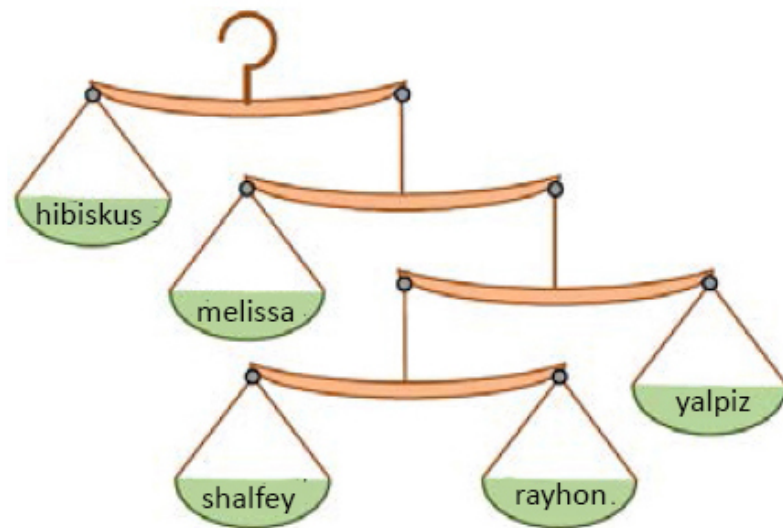
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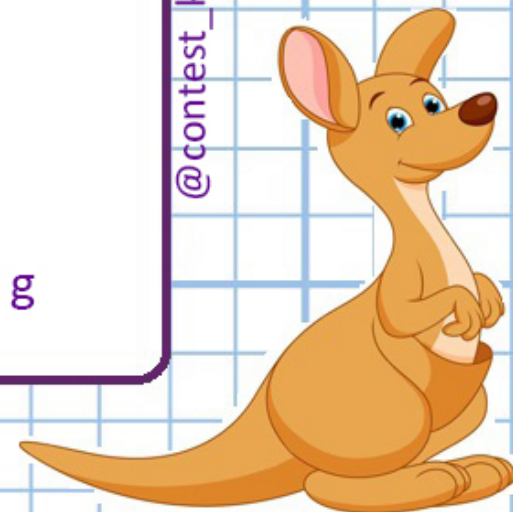


Eleksir tayyorlash uchun sehrgarga 5 hil o't kerak, o'tlarning miqdori rasmda ko'rsatilgan tarozdagilarga teng bolishi kerak. Sehrgar eleksirga 5 gramm shalfey qoshishi kerak. Unga nechi gramm gibiskus kerak? (tarozini vazni hisobga olinmaydi)



- A) 50 g B) 40 g C) 30 g D) 20 g E) 10 g

3-4 sinflar. 5 Ball

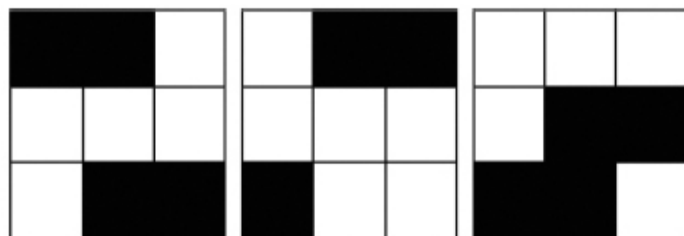


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Peygda uchta shaffof varoq bor. Varoqlarning ba'zi kataklari shaffof bo'lmagan qora rangda.



Peyg kataklarni o'gira olmaydi, faqat aylantira oladi. Agar u varoqlarni aylantirib ustma-ust taxlab chiqsa, u tapdan qaraganda ko'ra oladigan qora kataklarning maksimal sonini toping.

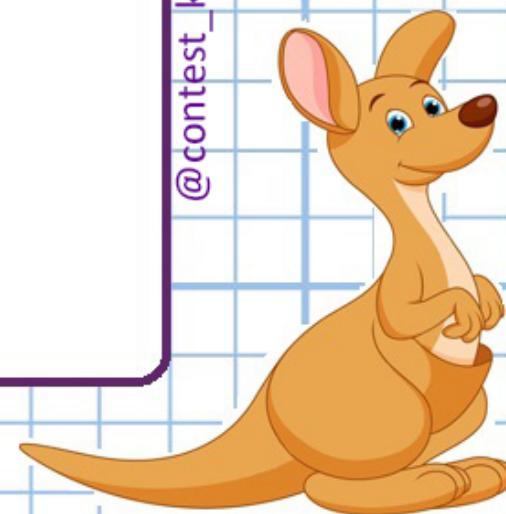
- A) 5 B) 6 C) 7 D) 8 E) 9

3-4 sinflar. 5 Ball

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4 ta usta uy qurishyapti. 5 kun ichida ular uyning yarmini qurib bo'lishdi. Ammo qish yaqinlashyapti va ular uyni 2 kunda bitirishmoqchi. Agar ular keragidan ortiq odamni bezovta qilishni xohlashmasa, nechta do'stlarini yordamga chaqirishligi kerak?

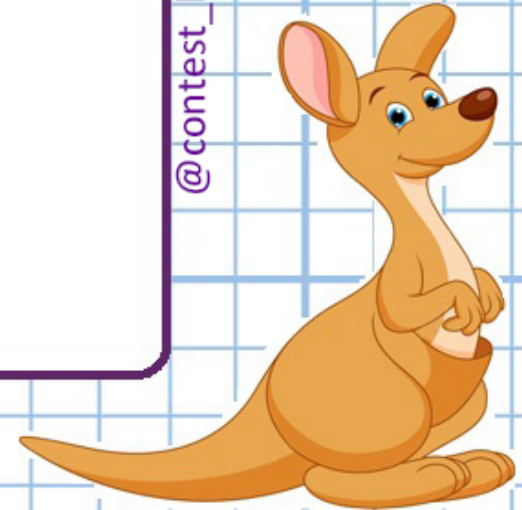
- A) 2 B) 4 C) 6 D) 7 E) 10

3-4 sinflar. 5 Ball

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Sirka-Vino-suvli Vinni nomli marinad 1ga 2 nisbatda sirka va vinodan iborat, 3ga 1 nisbatda vino va suvdan iborat. Quyidagi ifodalardan qaysi biri to'g'ri?

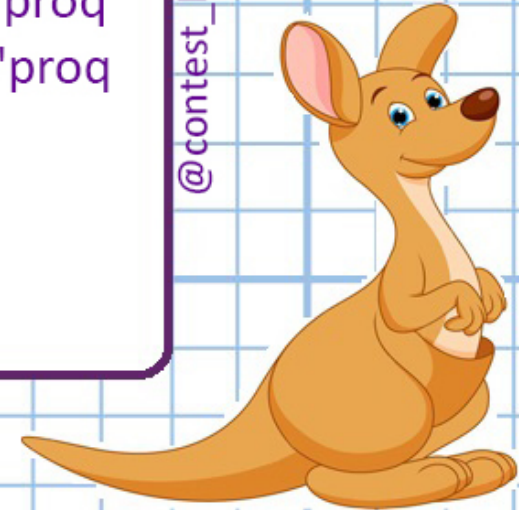
- A) Vinoga qaraganda sirka ko'proq
- B) Sirka va suv birga olingandagiga qaraganda vino ko'proq
- C) Vino va suv birga olingandagiga qaraganda sirka ko'proq
- D) Vino va sirka birga olingandagiga qaraganda suv ko'proq
- E) Sirka suvdan ham kam, vinodan ham kam

5-6 sinflar. 5 Ball

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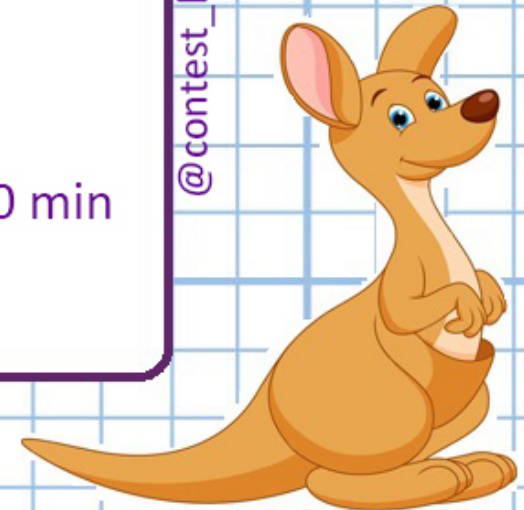
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Qirol va uning xizmatkorlari qasrdan yozgi saroyga 5 km/soat tezlik bilan ketishmoqda. Yo'lda qirol bir xizmatkorini qasrga jo'natadi, yarim soatdan keyin esa qirol ikkinchi xizmatkorini ham qasrga yuboradi. Agar xizmatkorlar 10 km/soat tezlik bilan harakatlanishsa, birinchi va ikkinchi xizmatkor qasrga yetib kelishi orasidagi vaqtni toping?

- A) 30 min B) 60 min C) 75 min D) 90 min E) 120 min

5-6 sinflar. 5 Ball

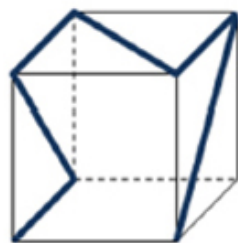


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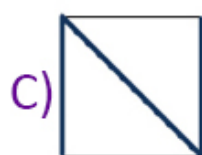
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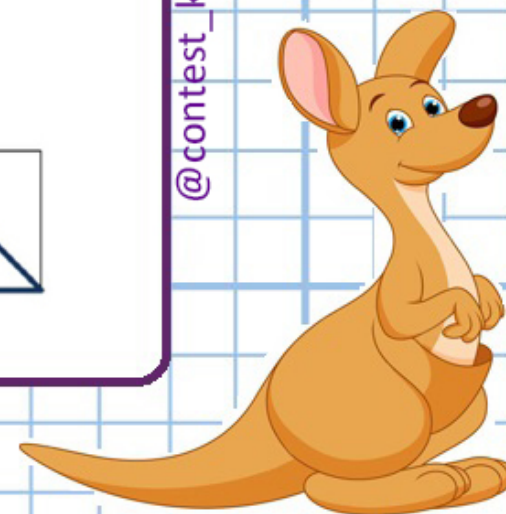
Yupqa rangli lenta shaffof kubga rasmda ko'rsatilgandek yopishtirib chiqilgan.



Quyidagi rasmlardan qaysi birini kubga turli tomondan qaraganda ko'rib bo'lmaydi?



5-6 sinflar. 5 Ball

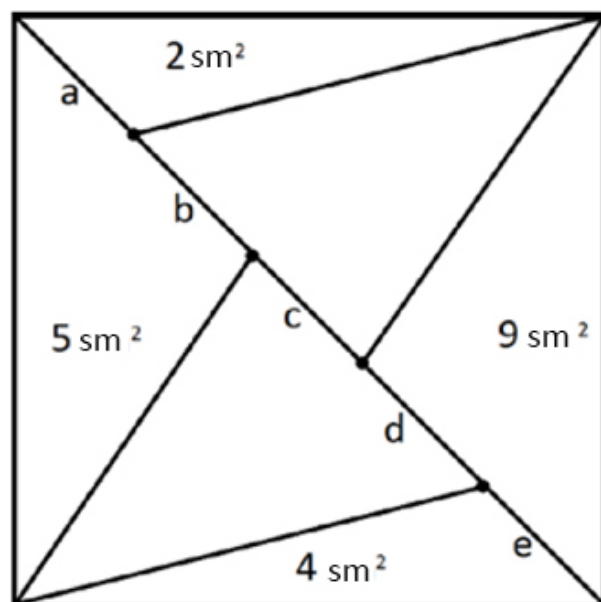


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Yuzi 30 sm^2 ga teng bo'lgan kvadrat diagonal orqali ikkiga bo'lingan, keyin esa rasmda ko'rsatilgandek, uchburchaklarga bo'lib chiqilgan. Ba'zi uchburchaklarning yuzalari berilgan.



Diagonalning qaysi qismi eng uzun?

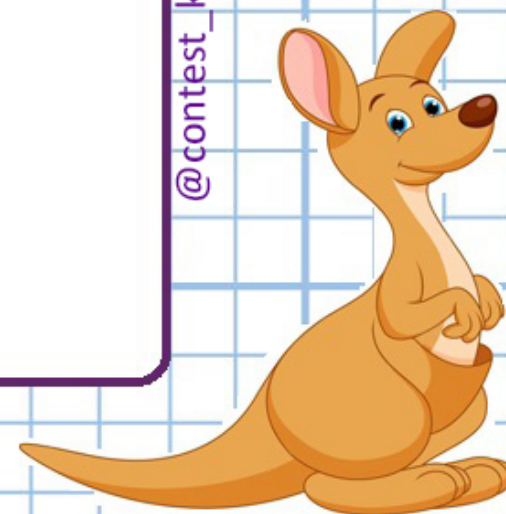
- A) a B) b C) c D) d E) e

7-8 sinflar. 3 Ball

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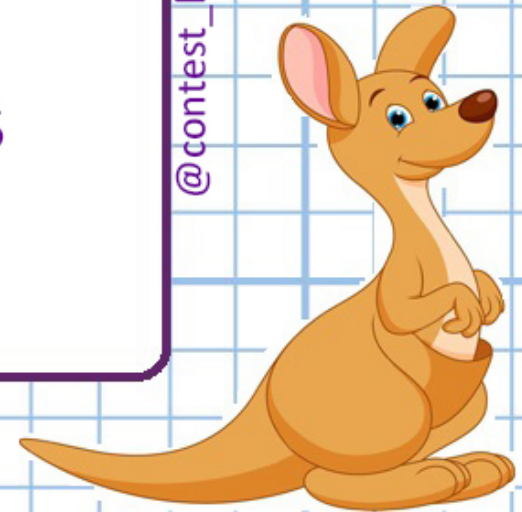
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Doskada bir nechta turli natural sonlar yozilgan. Ulardan faqat 2 tasi 2 ga karrali va faqat 13 tasi 13 ga bo'linadi. M soni shu sonlar orasidagi eng katta son. Mning minimal qiymatini toping?

- A) 169 B) 260 C) 273 D) 299 E) 325

7-8 sinflar. 5 Ball



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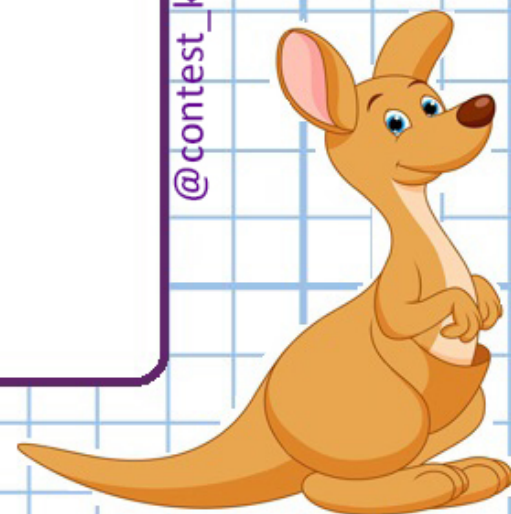
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Devid Edinburgdan velosipedda o'zining fermasi tomon harakatlanmoqda. U soat 15.00 da yetib kelmoqchi edi, ammo u rejalashtirgan vaqtning $\frac{2}{3}$ qismini yo'lning $\frac{3}{4}$ qismini bodib o'tishga sarfladi. Shundan keyin u sekinroq harakatlana boshladi va aniq rejalagan vaqtiga yetib keldi. Devud yo'lning birinchi yarmida va ikkinchi yarmida harakatlangan tezliklari nisbatini toping.

- A) 5 : 4 B) 4 : 3 C) 3 : 2 D) 2 : 1 E) 3 : 1

7-8 sinflar. 5 Ball

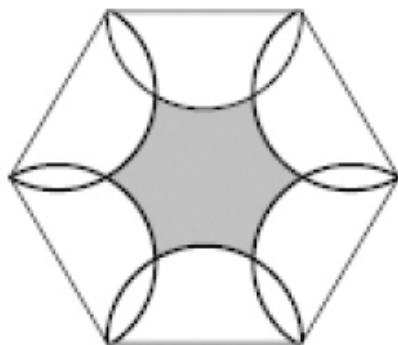


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Muntazam oltiburchakning har bir tomonida aylana shunday chizilganki, tomonlar aylanalarning diametrlari hisoblanadi. Oltiburchak tomonining uzunligi 1ga teng bo'lsa, kulrang bilan belgilangan soha yuzasini toping.



A) $\frac{6 - \pi}{4}$

B) $\frac{3(2\sqrt{3} - \pi)}{4}$

C) $\frac{3\sqrt{3} - \pi}{4}$

D) $\frac{6\sqrt{3} - \pi}{4}$

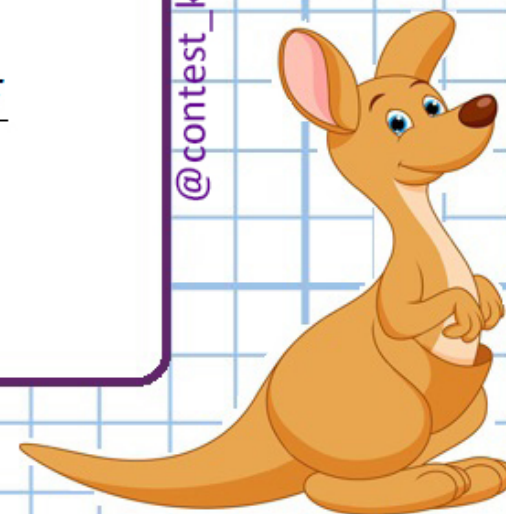
E) $\frac{3(3\sqrt{3} - \pi)}{4}$

9-11 sinflar. 5 Ball

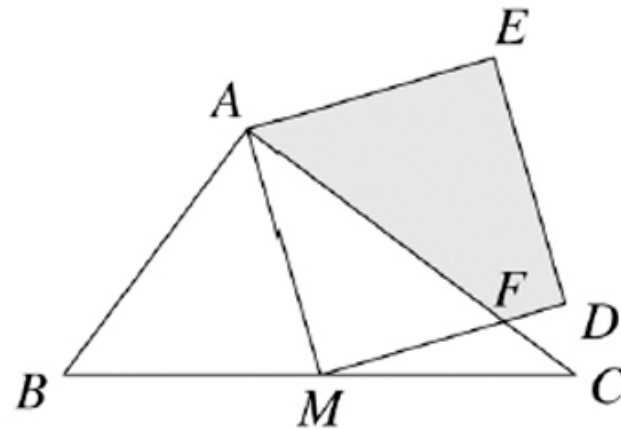
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ABC uchburchakda AB - 6 sm, AC - 10 sm, BC - 10 sm va M - BC kesmaning o'rtasi. AMDE - kvadrat. MD kesma AC kesmani F nuqtada kesib o'tadi. AFDE to'rtburchakning yuzi qancha (sm²)?



A) $\frac{124}{8}$

B) $\frac{125}{8}$

C) $\frac{126}{8}$

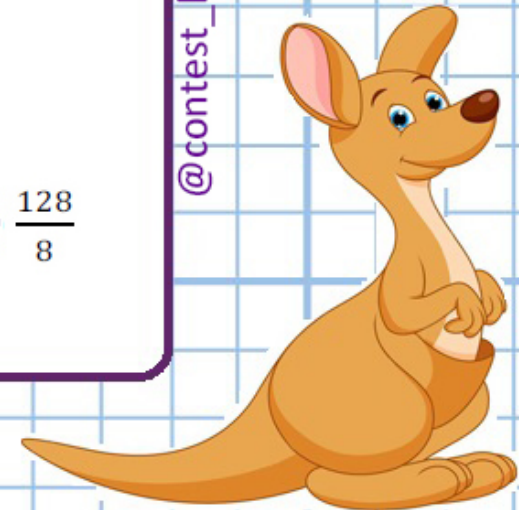
D) $\frac{127}{8}$

E) $\frac{128}{8}$

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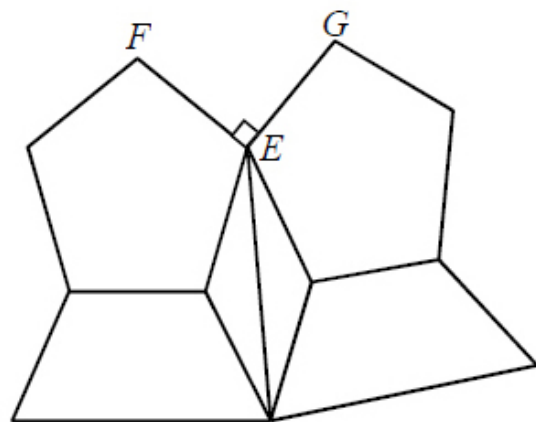
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9-11 sinflar. 5 Ball

Kanadadagi eng katta cherkov- Montrealdagi Avliyo Iosifning Oratoriyasining gumbazi aylana shaklidagi naqsh bilan qoplangan. Bu naqsh teng muntazam beshburchaklar, tengyonli uchburchaklar va tengyonli trapetsiyalardan tashkil topgan. Quyidagi rasmda shu naqshning bir qismi tasvirlangan.



Agar FEG uchburchak to'g'ri burchakli ekanligi ma'lum bo'lsa, butun naqshda nechta uchburchak mavjud?

- A) 40 B) 36 C) 54 D) 20 E) ma'lumot yetarli emas

9-11 sinflar. 5 Ball

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