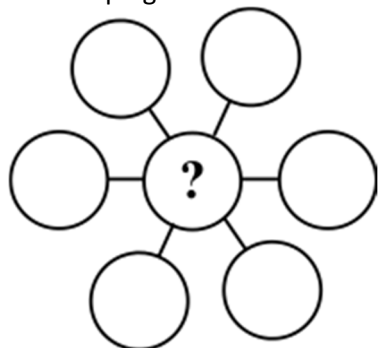


29. 14 odam aylana stol atrofida o'tiribdi . Har bittasi yoki yolg'on gapiradi ,yoki haqiqatni gapiradi



Har bittasi «Ikkala Qo'shnlm – Yolg'onchi » desa Stol atrofida otirgan yolg'onchilarning eng katta sonini toping?  
(A) 7 (B) 8 (C) 9 (D) 10 (E) 14

30. 7 ta doiraga 3,4,5,6,7,8,9 sonlarni shunday joylashtiringki, uchta chiziqning har bittasida teng yig'indi hosil bo'lsin. So'roq belgisi joyida bo'lishi mumkin bo'lgan sonni toping?



(A) 3 (B) 6 (C) 9 (D) 12 (E) 18



## "KENGURU" xalqaro matematika tanlov-o'yin

2018 KANGAROO

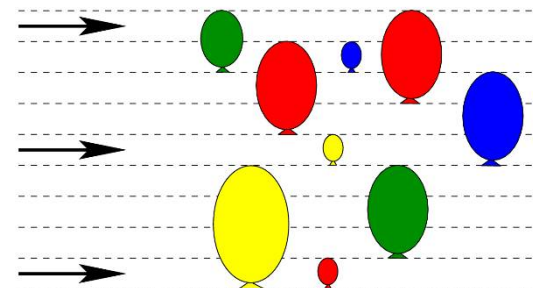
Imtixon 1 soat 15 daqiqa davom etadi. Har bir savolga faqatgina bitta to'g'ri javob mavjud (A-D). Belgilangan vazifaning doirasi va mazmuni uning to'liq bajarilishini talab qilmaydi; Vazifa savollariga maktab dasturidan tashqari savollar ham kiritilishi mumkin.

2018 yil 17 mart

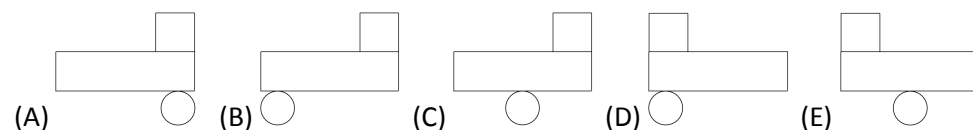
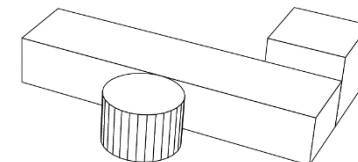
5-6 sinf

### 3 - balli masalalar

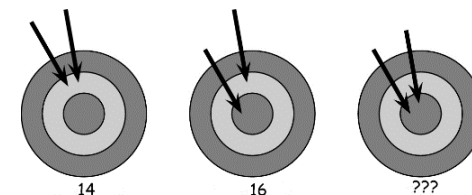
1. Rasmda 3 ta uchayotgan o'qlar va 9 ta bog'langan sharlar ko'rsatilgan. O'q sharga tekkanida shar yoriladi, o'q esa yo'nalishini davom ettiradi. Nechta sharlarga o'qlar tegmaydi?  
(A) 3 (B) 2 (C) 6 (D) 5 (E) 4



2. Stol ustida 3 ta predmet yotibdi. Piter stolga tepadan qaraganda nimani ko'radi?

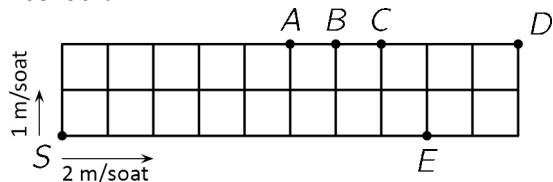


3. Diana 1 marta nishonga otganda 14 ochko yutib oldi (chapdan birinchi rasm). Ikkinchi marotaba 16 ochko yutib oldi (markazdagi rasm). Uchinchi marotaba otganda u qancha ochko oldi?



(A) 17 (B) 18 (C) 19 (D) 20 (E) 22

4. Bog` teng kvadratlarga bo`lingan. Chaqqon va immillagan chig`anoqlar, «S» burchakdan boshlab, bog`ning devori bo`ylab, har-xil yo`nalishda, sudralmoqda. Immillagan chig`anoq soatiga 1 metr tezlik bilan sudralmoqda, chaqqoni esa soatiga 2 metr tezlikda harakatlanmoqda. Qaysi nuqtada chig`anoqlar uchrashadi?



- (A) A (B) B (C) C (D) D (E) E

5. Alisa bitta ikki xonali sonni ikkinchisidan ayirdi, keyin esa 2 ta katakni bo`yab qo`ydi. Bo`yalgan kataklardagi yozilgan raqamlarning yig`indisini toping?



- (A) 8 (B) 9 (C) 12 (D) 13 (E) 15

6. Sonlarning hech bo`lmasa bittasi ikki marotaba tushishiga amin bo`lishimiz uchun necha marta o`yinli kubikni tashlashimiz kerak?

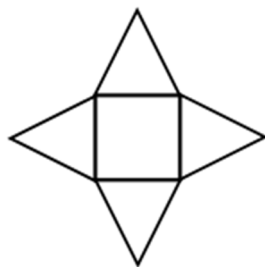
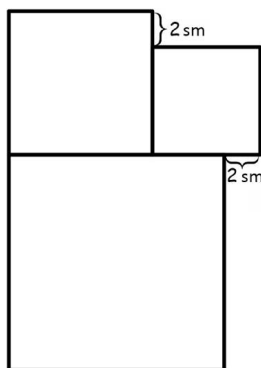
- (A) 5 (B) 6 (C) 7 (D) 12 (E) 18

7. Rasmda 3 ta kvadrat. Eng kichik kvadrat tomonining uzunligi 6 sm ga teng, eng katta kvadratning tomonlari uzunligi nechaga teng?

- (A) 8 (B) 10 (C) 12 (D) 14 (E) 16

8. Yulduzcha kvadrat va to`rtta teng tomonli uchburchaklardan iborat. Kvadratning perimetri 36 sm. Yulduzchanning perimetrini toping?

- (A) 144 sm (B) 120 sm (C) 104 sm  
(D) 90 sm (E) 72 sm



23. Agar A,B,C – har xil raqamlar bo`lsa, unda eng katta olti raqamli sonlar hosil qilingan A sonidan 3 ta, B sonidan 2 ta va C dan 1 ta... qaysi javobga teng bo`lmaydi?

- (A) AAABBC (B) CAAABB (C) BBAAAC (D) AAABCB (E) AAACBB

24. Katya va uning Onasi yoshining yig`indisi 36 ga teng, uning onasi va buvisi yoshining yig`indisi 81 ga teng. Katya tugilganida buvisi necha yoshda bo`lgan ?

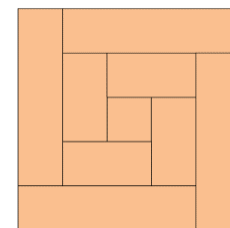
- (A) 28 (B) 38 (C) 45 (D) 53 (E) 56

25. Nik 2, 3, 4, ..., 10 sonlarni bir necha gruppalariga bo`lmoqchi. Har bir gruppadagi sonlar yig`indisi bir xildir. Hosil qilish mumkin bo`lgan gruppalarning eng katta soni nechaga teng?

- (A) 2 (B) 3 (C) 4 (D) 6 (E) to`g`ri javob berilmagan

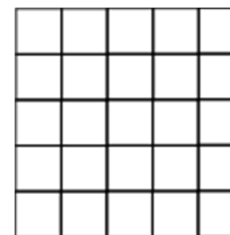
26. Piter eni 8 sm ga teng yog`och tokchani 9 bo`lakka arraladi. U bir qismini kvadratli qolganlarini to`rt burchakli qildi. So`ng, u hamma bo`laklarni rasmda ko`rsatilgandek joylashtirdi. Tokchanning uzunligi qancha edi?

- (A) 150 sm (B) 168 sm (C) 196 sm  
(D) 200 sm (E) 232 sm



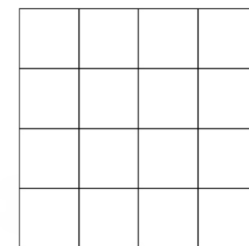
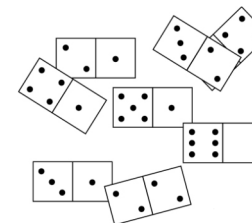
27. 0 va 1 ni 5x5 jadvalni har bir katakchasiga shunday yozib chiqingki unda har bir to`rt 2x2 o`lchami to`g`ri burchak Jadvaldagi eng katta bo`lish sonlarning yig`indisi nechaga teng?

- (A) 22 (B) 21 (C) 20 (D) 19 (E) 18

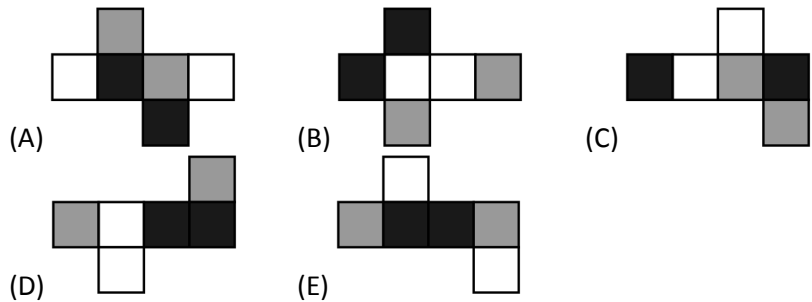


28. Stol ustida 8 ta damino suyakchalari yotibdi. Bitta suyakchanning yarmi yopiq. 8 ta suyakchadan 4x4 kvadrat tuzish mumkin, bunda nuqtalar soni har bir qatorda va ustunda teng. Yopiq tomonda nechta nuqtalar bor ?

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



19. Qog'ozli kubning yon yoqalari qora, oq va kulrang ranglariga shunday bo'yalganki, qarama-qarshi tomonlari har doim har xil rangda, agar kubikni yon qirrasini bo'ylab kessa va yoysa, jismlarning qaysi biri chiqmaydi?



20. Sonlarni A,B,C,D harflar bilan almashtirib Jon hisobni boshladi. «B» harfi, sonlarning qaysi birini ifodalaydi?

- (A) 0 (B) 2 (C) 4 (D) 5 (E) 6

$$\begin{array}{r} ABC \\ + CBA \\ \hline DDDD \end{array}$$

**5 - balli masalalar**

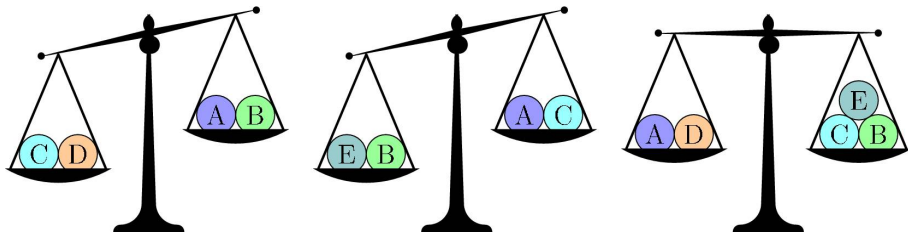
21. 3,5,2,6,1,4,7 ro'yxatdan Masha uchta har xil son tanlagan, ularning yig'indisi 8 ga teng.

Shu ro'yxatdan Dasha uchta har xil son tanlagan, ularning yigindisi 7 ga teng.

Qizlar bir vaqt ichida shu ro'yxatdan nechta son tanlashdi?

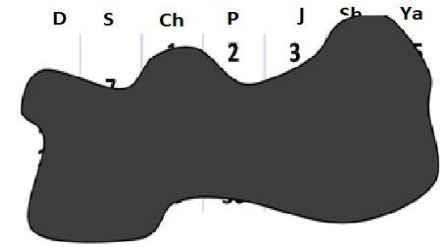
- (A) hech qancha (B) 1 (C) 2 (D) 3 (E) aniqlab bo'lmaydi

22. Beshta sharning og'irligi 30 gr, 50 gr, 50 gr, 50 gr va 80 gr. Sharlardan qaysi biri 30 gr ga teng?



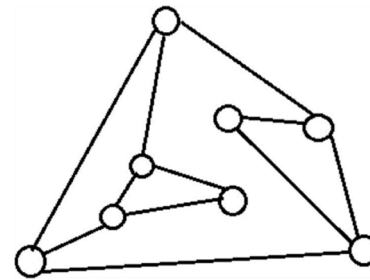
- (A) A (B) B (C) C (D) D (E) E

9. Rasmda oyning taqvim ko'rsatilgan, afsuski, siyoh barcha kunlarga to'kildi. Bu oyning 25 kuni haftaning qaysi kuniga to'g'ri keladi?



- (A) Dushanba (B) Chorshanba  
(C) Payshanba (D) Shanba  
(E) Yakshanba

10. Rasmda bir-biri bilan similar orqali bog'langan elektr lampochkalar aylanalar bilan belgilangan.

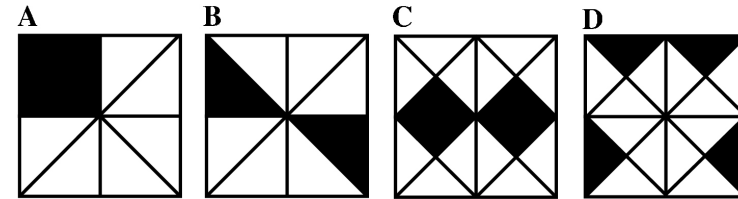


Boshida hamma lampochkalar o'chirilgan edi. Agar kimdir lampochkaga teginsa, bu lampochka va uning yonidagi lampochkalar yonadi. Barcha lampochkalar yonishi uchun teginish kerak bo'lgan lampochkalar eng kam soni nechiga teng bo'lishi kerak?

- (A) 2 (B) 3 (C) 4 (D) 5 (E) 6

**4 - balli masalalar**

11. Qaysi 4 ta kvadratning birida qora rangli qismi eng kattasidir?

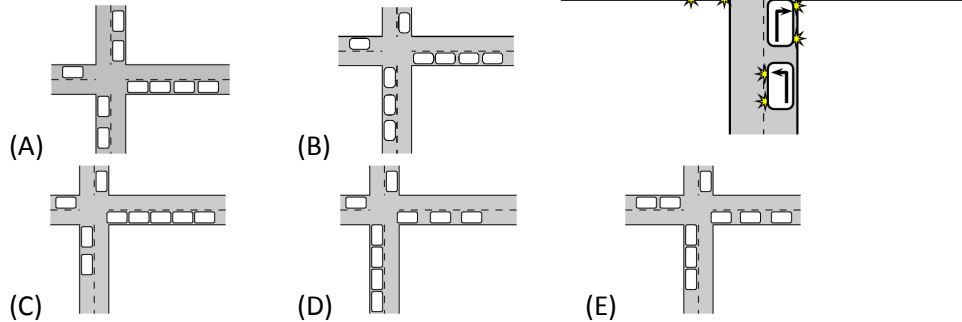


- (A) A (B) B (C) C (D) D (E) ular bir xil

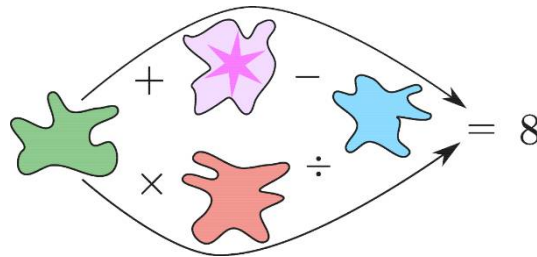
12. Dushanba kuni Aleksandra beshta o'rtog'iga suratni bergan. Bir necha kun davomida kimki shu suratni olgan bo'lsa, ertasi kuni suratni xali ko'rmagan ikkita o'rtog'lariga jo'natgan. Haftaning qaysi kunida bu suratni ko'rgan bolalarning soni yuzdan oshadi?

- (A) Chorshanba (B) Payshanba (C) Juma (D) Shanba (E) Yakshanba

13. Strelkalar ko'rsatilganidek, 9ta mashinalar chorrahaga yaqinlashib kelmoqda va uni tark etmoqda. Qaysi rasmda bu mashinalar chorrahani tark etganligi ko'rsatilgan?

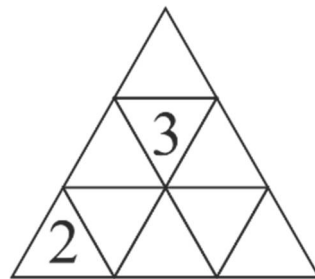


14. Dog'larning har biri 1,2,3,4 yoki 5 sonlardan bittasini yopadi. Bu sonlar shunday joylashtirilganki, yo'nalish bo'yicha qilingan hisoblarning natijalari to'g'ri. Yulduzchali dog'ning ortida qaysi son bor?



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

15. Emili uchburchakli jadvalning har bir katakchasiga son yozmoqchi. Ikkita ixtiyoriy umumiy tomoni ga ega bo'lgan katakchalardagi sonlar yig'indisi bir xil bo'lishi kerak. U ikkita sonni yozib kiritdi. Jadvaldagi hamma sonlarning yig'indisini toping?



- (A) 18 (B) 20 (C) 21 (D) 22  
(E) aniqlab bo'lmaydi

16. Sher uchta eshiklarning bittasi orqasida yashirimoqda. Har birida yozuv bor, lekin uchtasidan bittasidagi yozuv tog'ri. Sher qaysi eshik orqasida yashirimoqda ?

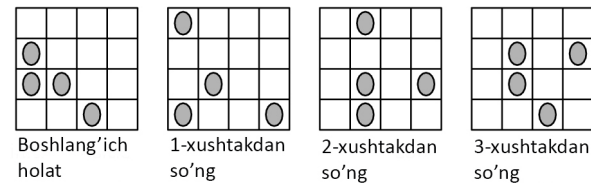


- (A) Eshik 1  
(B) Eshik 2  
(C) Eshik 3  
(D) 3 eshikning xohlagan birini orqasida  
(E) 1 yoki 2 eshik orqasida

17. 2 ta qiz Yeva va Olga va 3 ta bola Alan, Iskander va Umar to'p o'ynamoqda. Agar to'p qiz bolaning qo'liga tushsa, u to'pni boshqa qizga yoki bolaga otadi. Agar to'p o'gil bolaga o'tsa, u to'pni boshqa bolaga uzatadi, lekin to'pni unga otgan bolaga qaytarmaydi. Yeva boshlab, to'pni Alanga otadi, beshinchi to'p otishini kim qiladi?

- (A) Alan (B) Yeva (C) Iskander (D) Olga (E) Umar

18. 4 ta xonqiz 4x4 jadvalning har xil kataklarida o'tirishibdi. Ulardan biri qimirlamay uxlayapti. Qolgan 3 tasi hushtak eshitishi bilan yonidagi bo'sh katakka o'rmalashib o'tadi. Ular tepaga, pastga, o'nga yoki chapga harakat qilishi mumkin, lekin endigina tark etilgan katakka qaytib bora olmaydi.



Rasmlarning qaysi birida xonqizlarning 4-chi xushtakdan keyin joylashishi ko'rsatilgan?

