**8-SINF UCHUN MATEMATIKADAN MASALALAR.**

1. Hisoblang:

(A) 15 (B) 16 (C) 17 (D) 18 (E) 19

1. Barcha toq natural sonlar ko`paytmasi qanday raqam bilan tugaydi?

(A) 5 (B) 6 (C) 0 (D) 9 (E) 10

1. Hisoblang:

(A) 4052069 (B) 2023 (C) 4072299 (D) 4092539 (E) 4092529

1. tengsizlikni qanoatlantiradigan natural sonlar nechta?

(A) 11 (B) 12 (C) 13 (D)14 (E) 16

1. bo`lsa

(A) 10 (B)0 (C)13 (D) 12 (E) 14

1. soni 4 ga qoldiqsiz bo`linsa, ga nechta raqam mos keladi?

(A) 1 (B) 2 (C) 3 (D) 4 (E) 0

1. Hisoblang:

(A) 2 (B) 1 (C) 3 (D) 5 (E) 10

1. va bo`lsa,

(A) 2023 (B) 1 (C) 10 (D) 20 (E) 5

1. Aylananing uzunligi 10 bo`lsa, uning eng katta vatarini toping?

(A) 12.5 (B) 2.5 (C) 25 (D) 10 (E) 5

1. Ko`paytuvchilarga ajrating:

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

1. tenglamaning va ildizlari uchun tenglik o`rinli bo`lsa,

(A) 0 (B) 3 (C) 1 (D) -1 (E) -3

1. ning qanday qiymatlarida tenglamaning ildizlari nisbati 3 ga teng bo`ladi?

(A) 3 (B) -4 (C) -3 (D) 4 (E) 10

1. sistemani yeching.

(A) (9,9) (B) (10,2) (C) (2,10) (D) (1,9) (E) (9,1)

1. funksiyaning OY o`qi bilan kesishish nuqtalarini toping.

(A) (0,-15) (B) (5,0) (C) (-3,0) (D) (-15,0) (E) (15,0)

1. Soddalashtiring: (bunda )

(A) (B) (C) (D) (E) 0

1. Tenglamani yeching:

(A) -1 (B) (C) (D) 1 (E)

1. Qo`shni burchaklardan biri ikkinchisidan ga farq qiladi. Bu burchaklarni kichigini toping.

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

1. Soddalashtiring:

(A) 1 (B) (C)

(D) (E)

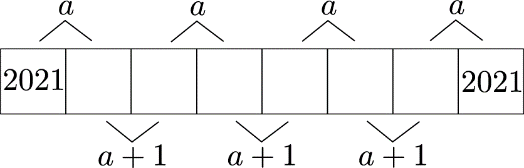
1. Sonlarni o`sish tartibida joylashtiring:

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

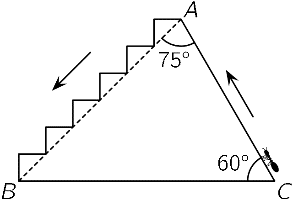
1. To`g`ri burchakli uchburchakning gipotenuzasiga tushgan balandligi uni 4 va 9 cm li kesmalarga ajratadi. Shu balandlikni toping.

(A) 10cm (B) 13cm (C) 5cm (D) 36cm (E) 6cm

**JAVOBI YOZILADIGAN MASALALAR**

1. Quyida berilgan jadvalda sakkizta katak bor. Qo’shni kataklarda sonlar ko’rsatilganidek a yoki *a+1* ga teng. Birinchi va sakkizinchi katakchadagi sonlar ikkalasi ham 2021 ga teng. *a* ning qiymatini toping?

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1. Chumoli CA yo’lida C dan A ga ko’tarilib, rasmda ko’rsatilgandek, zinapoyalarda A dan B gacha tushdi. Ko’tarilish va tushish yo’llarining uzunliklari nisbati qanchaga teng?

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1. *a, b* va *c* haqiqiy sonlari *a+b+c=0* va *abc=78* shartlarni qanoatlantiradi. *(a+b)(b+c)(c+a)* ifodaning qiymatini toping.

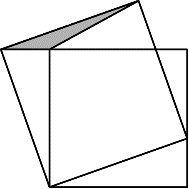
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1. Raqamlari yig’indisi 2021 bo’lgan eng kichik musbat butun son N bo’lsin. N+2021 sonining raqamlari yig’indisi nechiga teng?

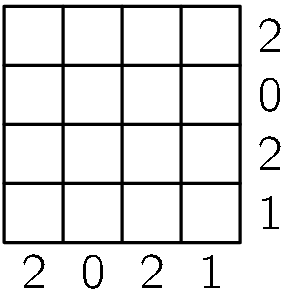
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1. Uchta bola “So’z” o’yinini o’ynashdi va har biri 10 tadan so’z yozishdi. Agar bitta bola yo’zgan so’z qolgan bolalarning ikkalasida ham bo’lmasa, o’sha bola uch ball to’plagan bo’ladi. Agar ikkita bolada bir xil so’z yozilgan bo’lsa, har biriga 1 balldan beriladi. Agar bitta so’z uchta bolada ham yozilgan bo’lsa, hech kimga ball berilmaydi. Ballarni hisoblaganda, ularning har biri har xil ball to’plagani aniqlandi. Sardor eng kichik ko’rsatkich – 19 ballni qo’lga kiritdi, Jaloliddin esa eng yuqori ball to’pladi. Jaloliddin necha ball to’plagan?

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1. O’ng tomondagi rasmda tasvirlangan kichik kvadrat yuzasi16 ga, kulrang uchburchakning yuzasi esa 1 ga teng. Katta kvadratning yuzini toping?

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1. 4×4 o’lchamli jadvalda ba’zi kataklar qora rangga bo’yalishi kerak. Jadval yonidagi va pastdagi raqamlar ushbu qator yoki ustunning nechta katagi qora bo’lishi kerakligini ko’rsatadi. Ushbu jadvalni necha usulda bo’yash mumkin?

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1. Qancha besh xonali musbat sonlarning raqamlari ko’paytmasi 1000 ga teng?

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1. Komilada sakkizta tanga bor, ularning og’irliklari grammda har xil musbat butun sonlardir. Komila tarozi pallasining bir tomoniga istalgan ikkita tangani va tarozining boshqa pallasiga qolgan tangalardan istalgan ikkitasini qo’yganida, to’rttala tanganing eng og’irini o’z ichiga olgan palla har doim og’irroq bo’ladi. Eng og’ir tanganing vazni eng kamida nechchi bo’ladi?

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1. 2021 ta to’p bir qatorga joylashtirilgan va 1 dan 2021 gacha raqamlangan. Har bir to’p to’rt rangning biriga bo’yalgan: yashil, qizil, sariq yoki ko’k. Ketma-ket beshta to’p orasida aynan bitta qizil, bitta sariq va bitta ko’k to’p bor. Har qanday qizil to’pdan keyin keyingi to’p sariq rangda. 2, 20 va 202 raqamli to’plar yashil rangda. 2021 raqamli to’p qanday rangda?

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