

**Matematikadan
Majburiy blok uchun**

TESTLAR KITOBCHASI

- **Jami – 500 ta test**
- **Matematikadan**
- **Javoblari bilan**

**5-6-7- Sinf O'quvchilari
hamda abituriyentlar
uchun ushbu testlarni
yechib chiqish tavsiya
etiladi.**

(Ism)

(Familiya)

Samarqand

Kattaqo'rg'on Matematiklari

Shokirov Diyorbek

Variant 1

A)0

B)∅

C)1,1

D)1

1. Ifodani qiymatini toping.

$$15-27:3+4\cdot5$$

A)26

B)18

C)48

D)6

2. 48 sonining barcha natural bo'luvchilari yig'indisini toping.

A)123

B)100

C)108

D)124

3. Dastlabki 5ta tub sonlarning yig'indisi nechaga teng?

A)28

B)29

C)31

D)18

4. Hisoblang: $-\frac{1}{4}-\frac{1}{3}$

A) $\frac{5}{6}$

B) $-\frac{7}{6}$

C) $-\frac{7}{12}$

D) $\frac{1}{5}$

5. 215 ni 19 ga bo'lganda qoldiq 6 bo'ladi. Bo'linma nechaga teng?

A)12

B)11

C)14

D)13

6. Hisoblang: $243:(9:11)$

A)297

B) $\frac{11}{27}$

C)27

D) $2\frac{5}{11}$

7. „Mubina“ ismida harflar o'rnini almashtirib nechta so'z hosil qilish mumkin?

A)12

B)720

C)120

D)15

8. Perimetri 60dm ga teng bo'lgan kvadratning tomonini toping.

A)10sm

B)15sm

C)10dm

D)15dm

9. 2,5-4,3 ga teskari sonni toping.

A)0,8

B)1,8

C) $-\frac{5}{9}$

D) $\frac{5}{9}$

10. Tenglamani yeching. $1,2n+1=1-n$

Variant 2

1. Ko'paytmani daraja shaklida yozing.

$$d \cdot d \cdot d \cdot d \cdot 8 \cdot 8 \cdot 8$$

A) $4d$ B) $d^4 \cdot 2^9$ C) $d^3 \cdot 8^4$ D) $4d^4$

2. Quyidagilardan qaysi birining qiymati 1 ga teng?

A) $0,(9)$ B) $1,2n+1=1-n$

C) $0,9$ D) $2^n = 8$

3. Qirradi d bo'lgan kub sirtining yuzini toping?

A) $S=2(db+bc+dc)$ B) $S=6d^2$

C) T.J.Y D) $S=db$

4. To'g'ri burchakli parallelepipedning nechta uchi mavjud?

A) 8 ta B) 12 ta C) 6 ta D) 4 ta

5. Agar $a=85,09$ va $b=67,99$ bo'lsa, sonlarni taqqoslang.

A) $b>a$ B) $b+1>a$

C) $\frac{b}{a} > 1$ D) T.J.Y

6. Hisoblang.

$$79348-64 \cdot 84:28+653900:130$$

A) 8436 B) 84186 C) 84286 D) 8316

7. Omborga birinchi kuni 1,85t, ikkinchi kuni esa 2,15t yuk tushirildi. Bu ikki kun ichida omborga qancha (kg) yuk tushirilgan?

A) 400kg B) 4000kg C) 4t D) 3t

8. Agar zaldagilarning 1 foizi 5 kishi bo'lsa, zalda necha kishi bor?

A) 50ta B) 5000ta C) 10ta D) 500ta

9. Qutida 45ta shar bor. Ularning $\frac{2}{5}$ qismi oq shar. Qutida nechta oq shar bor?

A) 28 B) 9 C) 18 D) 27

10. Ifodani soddalashtiring: $y^n : y^4$

A) y^{4n} B) $y^{\frac{n}{4}}$ C) y^{n+4} D) y^{n-4}

Variant 3

1. Tenglamani yeching:

$$3(2,5-2x)=13,5-14x$$

- A) $\frac{12}{16}$ B) $\frac{43}{39}$ C) $\frac{29}{33}$ D) $\frac{43}{59}$

2. O'lchamlari: 4m,5m va 7m bo'lgan to'g'ri burchakli parallelepipedning hajmini toping.

- A) $160m^3$ B) $140m^3$ C) $16m$ D) $130dm$

3. Ko'paytmaning qiymatini toping.

$$13 \cdot 4\frac{2}{13}$$

- A) $\frac{54}{13}$ B) 54 C) $\frac{13}{54}$ D) 26

4. Soddalashtiring. $-6-2(2-y)-2y+2$

- A) -8 B) $-8-4y$ C) $8-4y$ D) 8

5. 0;1;2;3;4;5 raqamlardan jami nechta raqamlari takrorlanmaydigan 2 xonali sonlar tuzish mumkin?

- A) 30 B) 25 C) 20 D) 10

6. To'g'ri to'rtburchakning eni $5\frac{6}{13}dm$, bo'yi esa $9\frac{7}{13}dm$. To'g'ri to'rtburchakning perimetrini toping.

- A) 15 B) 45 C) 30 D) $\frac{195}{13}$

7. a ning qanday qiymatarida tenglik o'rinli bo'ladi? $\frac{2,5a}{11} + \frac{9}{22} = \frac{34}{22}$

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

8. „Olma“ so'zida harflar o'rnini almashtirib nechta so'z hosil qilish mumkin?

- A) 12 B) 4 C) 18 D) 24

9. Ayirmani toping. $7\frac{1}{12} - 4\frac{5}{12}$

- A) $2\frac{2}{3}$ B) $3\frac{2}{3}$ C) $\frac{2}{3}$ D) $\frac{3}{8}$

10. $\frac{5}{6}$ qismi 25 ga teng bo'lgan sonni toping.

- A) 30 B) 25 C) 100 D) 125

Variant 4

A)26 B)13 B)16 D)23

1. $2+3+....+8+9$ yig'indini hisoblang.

A)45 B)54 C)44 D)36

2. $\frac{x}{4} - 3 = \frac{x}{2} - 5$ tenglamani yeching.

A)9 B)10 C)7 D)8

3. Balandligi 5m, eni $4\frac{1}{5}m$ va uzunligi 7m bo'lgan to'g'ri burchakli parallelepipedning hajmini toping.

A) $735m^3$ B) $147m^3$

C) $140m^3$ D) $154m^3$

4. 1;2;3;4;5;6.....16;17 ketma-ketlikda nechta tub son mavjud?

A)7 B)8 C)5 D)6

5. Hisoblang. $0,(9)+5-78:13$

A)1 B)0 C)2 D)3

6. Go'lani 4 bo'lakka bo'lish uchun 12 minut vaqt sarflanadi, shunday g'o'lani 2 bo'lakka bo'lish uchun qancha vaqt sarflanadi?

A)6 minut B)3 minut

C)4 minut D)8 minut

7. Tug'ilgan kuningizga taklif etilgan 8 ta do'stingizni 8 ta stulga necha xil usulda o'tkaza olasiz?

A)16 B)40320 C)64 D)2116

8. Kubning nechta qirrasi bor?

A)4 B)6 C)8 D)12

9. Hisoblang: $(5\frac{3}{4} - 2\frac{1}{2}) \cdot 8$

10. Fazliddin 400 betlik kitobning $\frac{5}{8}$ qismini o'qigan bo'lsa, u kitobning necha betini o'qigan?

A)150 B)250 C)300 D)175

Variant 5

1. 7 ta to'g'ri chiziqlar ko'pi bilan nechta nuqtada kesishadi?

A)12 B)28 C)15 D)21

2. Qaysi juftlik o'zaro tub sonlardan iborat?

A)(6;8) B)(7;9)

C)(12;15) D)T.J.Y

3. Tenglamani yeching. $\frac{1}{36} = \frac{x}{36}$

A)1 B)0,(9)

C) $\frac{36}{36}$ D)hamma javoblar to'g'ri

4. Qirradi 5sm ga teng bo'lgan Kubning barcha qirralari yig'indisini toping.

A)60sm B)60m C)150sm D)150m

5. $840:9$ ushbu ifodada qoldiq nechaga teng?

A)3 B)1 C)0 D)4

6. Bo'lishni bajaring: $\frac{17}{21} : \frac{34}{63}$

A) $\frac{2}{3}$ B)1,5 C)2,5 D) $-\frac{3}{2}$

7. To'g'ri to'rtburchakning eni 7 sm, bo'yi undan 3 sm qisqa. Uning yuzini toping?

A) $28m^2$ B) $21sm^2$ C)20sm D) $28sm^2$

8. Tenglamani yeching: $94-2x=24$

A)25 B)35 C)45 D)40

9. Do'kondagi 10 xil mevdan 3xilini sotib olmoqchisiz. Buni necha xil usulda bajara olasiz?

A)720 B)600 C)120 D)30

10. Hisoblang: $13 \cdot 24 + 76 \cdot 13$

A)1300 B)2400 C)1376 D)7613

Variant 6

1. Feruza 200 betlik kitobning $\frac{1}{4}$ qismini o'qigan bo'lsa, u kitobning necha betini o'qimagan?

A)50 B)150 C)200 D)160

2. 10 ar necha sotixga teng?

A)100 B)10 C)1000 D)1

3. To'g'ri burchakli parallelepipedning o'lchamlari $a=8\text{sm}$, $b=5\text{sm}$, $c=3\text{sm}$. Uning barcha qirralari uzunliklari yig'indisini toping.

A)64sm B)60sm C)120sm D)40sm

4. Agar $a = \frac{8}{9}$ bo'lsa, $a - \frac{1}{9}$ ning qiymatini toping.

A) $\frac{7}{8}$ B)1 C) $\frac{6}{9}$ D) $\frac{7}{9}$

5. Sayyoh birinchi kuni yo'lning $\frac{3}{10}$ qismini, ikkinchi kuni esa $\frac{1}{4}$ qismini bosib o'tdi. Sayyoh shu ikki kunda yo'lning qancha qismini yurdi?

A) $\frac{9}{20}$ B) $\frac{11}{20}$ C) $\frac{3}{40}$ D) $\frac{9}{10}$

6. b ning qanday natural qiymatida tenglik to'g'ri bo'ladi? $\frac{13}{7} - \frac{b}{7} = 1$

A)3 B)4 C)5 D)6

7. 20 foizi 80 ga teng bo'lgan sonni toping.

A)4000 B)800 C)200 D)400

8. Quyidagi tasdiqlardan qaysilari to'g'ri?

1) 2 eng kichik tub son.

2) Natural sonlar 0 dan boshlanadi.

3) 2 soni har doim 2! dan katta.

A)1,2,3 B)1,2 C)1,3 D)1

9. Agar $a=0,(9)$ $b=0,9$ $c=1$ bo'lsa, ularni taqqoslang.

A) $a>b>c$ B) $a>b=c$

C) $a=b>c$ D) $a=c>b$

10. Ifodani soddalashtiring.

$$2a+3b-(-a+3b)$$

A)3a B)3b C)a+6b D)0

Variant 7

1. $A = \frac{1}{\frac{3}{8}}$ kattami yoki $B = \frac{1}{\frac{3}{8}}$

A)A B)A=B C)B D)T.J.Y

2. 80 sonini tub ko'paytuvchilarga ajrating

A) $2^5 \cdot 5^1$ B) $2^4 \cdot 5^1$
C) $2^3 \cdot 5^1$ D) $2^3 \cdot 5^2$

3. Murakkab va juft sonlar keltirilgan qatorni belgilang.

A)4,6,8,9,11 B)4,6,7,8,9
C)4,6,8,12,14 D)4,6,8,9,14

4. $4x - x - 4 + \text{EKUB}(8; 18) = x + 4$ tenglamani yeching.

A)4 B)2 C) $3\frac{1}{2}$ D)3

5. To'g'ri to'rtburchakning yuzi 33 sm^2 ga, perimetri esa 28 sm ga teng. Shu to'g'ri to'rtburchakning tomonlari yig'indisining yarmini toping.

A)5 B)8 C)14 D)16,5

6. 1,16,81... kiyingi sonni toping.

A)256 B)225 C)125 D)243

7. Sayyohlar guruhidagi erkaklar sonining ayollar soniga nisbati 5:4 kabi. Quyida keltirilgan sonlardan qaysi biri guruhdagi sayyohlar soniga teng bola olmaydi.

A)36 B)54 C)45 D)43

8. Nozima hozir 14 yoshda. 5 yil avval u necha yoshda bo'lgan?

A)9 B)8 C)11 D)19

9. Agar $a=-14$, $b=4$, $c=14$ bo'lsa, $a+b+c$ ifodaning son qiymatini toping.

A)2 B) $2+0,(9)$ C)T.J.Y D) $3+0,(9)$

10. 7,8,9,5 raqamlar yordamida nechta xar xil 2 xonali son hosil qilish mumkin?

A)24 B)10 C)12 D)36

Variant 8

1. Nisbatning nomalum hadini toping.

$$7264:x=8$$

A)88 B)908 C)408 D)306

2. 225 ning $\frac{2}{15}$ qismi a ga teng bo'lsa a^2 nimaga teng?

A)900 B)225 C)450 D)2500

3. Maktab oshxonasida oq non, qora non va uch xil kolbasa bor. Ulardan necha xil buterbrod tayyorlash mumkin.

A)4 B)5 C)6 D)8

4. To'g'ri burchakli parallelepipedda $a=6\text{sm}$, $b=10\text{sm}$, $c=8\text{sm}$ bo'lsa uning sirtining yuzini hisoblang.

A)480 sm^3 B)376 sm^3
C) 480 sm^2 D) 376 sm^2

5. $4a - 2b = 6a + 10b$ bo'lsa, $\frac{b}{a}$ ni qiymatini toping.

A) $-\frac{1}{2}$ B) $-\frac{1}{6}$ C) $\frac{1}{3}$ D)2

6. Eng sodda geometrik shaklni belgilang.

A)Nuqta B)Ko'pburchak
C)Kvadrat D)Uchburchak

7. Agar $x=7$ bo'lsa, harfiy ifodaning qiymatini toping.

$$3(47 - x) + 29 - 38 + x - 80 + x$$

A)45 B)57 C)83 D)59

8. Dastlabki 5 ta murakkab sonlarning EKUK ini toping.

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A)180 B)270 C)360 D)450

9. Tenglamani yeching.

$$34x+0,(9)x-13=57$$

A)3 B)9 C)2 D)90

10. 3 raqamiga ega bo'lmagan uch xonali sonlar nechta?

A)729 B)648 C)252 D)243

Variant 9

1. Quyidagi jumlalardan nechitasi to'g'ri?

1) 0 sonining 0-darajasi 1 ga teng.

2) Qoldiq eng kamida 0 ga teng bo'ladi.

3) -1 sonining har qanday juft darajasi doim 1 ga teng.

A)0 B)1 C)2 D)3

2. Uchburchakning tomonlari 7 sm, x sm va 5 sm ga teng. Agar uning perimetri 25 sm ga teng bo'lsa, x=?

A)11 B)12 C)10 D)T.J.Y

3. $\sqrt{25 - \sqrt{97 - \sqrt{256}}}$ ifoda qiymatining yarmini nechaga teng?

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

4. Ifodani soddalashtiring.

$$2x - b + x + b$$

A)3x B)-2b C)2x-2b D)2x

5. Quyidagilardan qaysi birining qiymati 4 ga teng?

A)4x+4=32 B)EKUK(2;5)

C)EKUB(8;20) D)4!

6. Kvadratning tomoni 8 dm bo'lsa, uning perimetrining yarmi qanchaga teng?

A)16dm² B)64dm² C)32dm D)16dm

7. Sinfdagi 20 ta o'quvchidan 60% i a'lochilar bo'lsa, sinfda a'lochilar nechta?

A)12 B)8 C)14 D)3

8. Ifodani qiymatini toping.

$$|-81|+|-29|-50$$

A)50 B)60 C)70 D)-60

9. Tenglamani yeching. (4-x):(-1)=(-21):21

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

10. Qaysi juftlik o'zaro tub sonlardan iborat?

A)(7;35) B)(13;91)

C)(5;255) D)(17;35)

Variant 10

1. Massasi $\frac{4}{15} kg$ bo'lgan pamidorga, $\frac{6}{15} kg$ bodring va $\frac{1}{15} kg$ piyoz qo'shilib salat tayyorlandi. Salatning massasini toping.

A) $\frac{13}{15} kg$ B) $\frac{11}{15} kg$ C) $\frac{9}{15} kg$ D) $\frac{10}{15} kg$

2. Kasrlar ustida amallarni bajaring.

$$\frac{44}{125} + \frac{46}{125}$$

A) $\frac{80}{125}$ B) $\frac{8}{250}$ C) $\frac{90}{125}$ D) $\frac{100}{125}$

3. To'g'ri burchakli parallelepiped asosining yuzi S va balandligi H ga teng bo'lsa, uning hajmini toping.

A) $V = \frac{S}{H}$ B) $V = a^3$

C) $V = 6a^2$ D) $V = S \cdot H$

4. Tenglamani yeching.

$$3(4 + x) = EKUK(6; 7)$$

A) 0,9+9 B) 0,(9)+9 C) -10 D) 42

5. Ikki sonning yig'indisi 12 ga ayirmasi esa 4 ga teng. Ularning ko'paytmasi nechaga teng?

A) 32 B) 16 C) 3 D) 64

6. 3 ta turli xatni 3 ta turli konvertga necha xil usulda joylash mumkin?

A) 9 B) 6 C) 12 D) 3

7. $2x + 12 = x + 6 + x + 6$ tenglamani yeching.

A) 0 B) 2

C) cheksiz ko'p D) yechimga ega emas

8. Raqamlar ko'paytmasining yig'indisiga nisbati quyidagilardan qaysi biriga teng.

A) 8046 B) 0 C) 1 D) 806

9. 11 sonining qarama-qarshisiga 9 ni qo'shsak, B chiqadi. B ning uchlangani quyidagilardan qaysi biriga teng?

A) 6 B) 12 C) -12 D) -6

10. Faqat tub sonlar keltirilgan javobni belgilang.

A) 1,3,5,11,13 B) 3,5,7,12,13

c) 2,3,5,9,11 D) T.J.Y

Variant 11

1. $3,(7)+2,1(4)$ sonini kasr ko'inishida ifodalang.

- A) $5\frac{2}{9}$ B) $5\frac{4}{9}$ C) $5\frac{83}{90}$ D) $5\frac{77}{90}$

2. Hisoblang: $\frac{49}{60} + \frac{1}{5} + \frac{11}{30}$

- A) $\frac{63}{60}$ B) $\frac{83}{60}$ C) $\frac{93}{60}$ D) $\frac{73}{60}$

3. Songa uning $\frac{1}{2}$ qismi qo'shilsa, 30 hosil bo'ldi. Shu sonni yarmini toping.

- A)25 B)20 C)5 D)10

4. Proporsiyadan x ni toping. $\frac{3}{4} = \frac{x-4}{8}$

- A)10 B)5 C)8 D)14

5. Ifodaning qiymatini toping.

$$(21\frac{3}{5} - 69,36 : 3,4) \cdot 1,5$$

- A)1,8 B)1,5 C)1,6 D)18

6. „Inson“ so'zida harflar o'rnini almashtirib nechta so'z hosil qilish mumkin?

- A)60 B)120 C)40 D)32

7. 40% i 20 ga teng bo'lgan sonning yarmi qanchaga teng?

- A)25 B)35 C)50 D)40

8. Tenglamani yeching: $x - 20 = \frac{17}{20}$

- A) $\frac{383}{20}$ B) $17\frac{17}{20}$ C) $20\frac{17}{20}$ D) $\frac{17}{20}$

9. To'g'ri burchakli parallelepipedning asosining yuzi 15 sm^2 , balandligi esa 4 sm ga teng bo'lsa, uning hajmini toping.

- A) 60 m^3 B) 64 sm^3 C) 64 m^3 D) 60 sm^3

10. Hisoblang: $(6\frac{1}{2} - 8\frac{3}{4}) : \frac{1}{8} + 11\frac{3}{7}$

- A) $-7\frac{3}{7}$ B) $6\frac{3}{7}$ C) $-6\frac{4}{7}$ D) $-7\frac{5}{7}$

Variant 12

1. 1 dan 30 gacha bo'lgan sonlarning ko'paytmasi nechta nol bilan tugaydi?

A)7 B)8 C)9 D)3

2. Agar $a=3$ ekani ma'lum bo'lsa, $\frac{a^2-(-7)}{2}$ nimaga teng?

A)16 B)1 C)7 D)8

3. Soddalashtiring:

$$a(b-c)+b(c-a)-c(b-a)$$

A)2 B)0 C)2ab D)2bc-2ac

4. Tomoni 7 sm ga teng bo'lgan kvadratning yuzi (6+0,(9)) yig'indining qiymatidan necha marta ortiq?

A)T.J.Y B)3 C)7 D)40

5. Agar bo'luchi $x+1$ ga, bo'linma $x+2$ ga, qoldiq 1 ga teng bo'lsa, bo'linuvchi nimaga teng?

A) $x^2 + 3x + 3$ B) $x^2 + 3x + 2$
C) $x^2 + 3x + 1$ D) $x^2 + 3x - 3$

6. Hadichaning barcha opalari va singillari soni birgalikda 6 ta bo'lsa, bu oilada nechta qiz bor?

A)8 B)5 C)6 D)7

7. 25 ar necha sotixga teng?

A)25 B)250 C)2500 D)25000

8. Yoyiq burchakning gradus o'lchovini toping.

A)0 B)90° C)180° D)360°

9. $\sqrt{2} + \sqrt{2}$ yig'indi quyidagilardan qaysi biriga teg?

A)1 B) $\sqrt{4}$ C)4 D) $\sqrt{8}$

10. 3 ta olmani 2 ta likopchaga necha xil usulda taqsimlash mumkin?

A)2 B)3 C)4 D)6

Variant 13

A)5

B)16

C)-6

D)6

1. Hisoblang: $56+15\cdot3+36:4$

A)2 B)110 C)20 D)40

2. Perimetri 24 ga teng bo'lgan muntazam uchburchakning asosining uzunligini toping.

A)8 B)6 C)12 D)10

3. 3 raqami bilan tugaydigan ikki xonali sonlar nechta?

A)19 ta B)18 ta C)10 ta D)9 ta

4. Quyidagi funksiyalardan qaysi biri juft funksiya?

A) $y=2x$ B) $y=x^2$ C) $y=\sqrt{x}$ D) $y=\frac{2}{x}$

5. 4ta mushuk 4 soatda 4ta sichqonni yeydi. 6ta mushuk 6soatda nechta sichqon yeydi?

A)6 B)9 C)8 D)12

6. Quyidagi sonlardan nechitasi natural son?

$\frac{8}{12}$; 27; $\frac{48}{16}$; 0; 15 va 3,14

A)3 B)4 C)6 D)5

7. Hisoblang. $8 + 6: (-2) - 2 \cdot (-11)$

A)99 B)15 C)33 D)27

8. 1 dan 10 gacha tub sonlar kvadratlarining yig'indisi qanday raqam bilan tugaydi?

A)7 B)8 C)5 D)1

9. $(-2) \cdot (a - 5) = 22$ ifodadan a ning qiymatini toping.

10. Kasrni qisqartiring. $\frac{37\cdot147\cdot63\cdot25}{111\cdot49\cdot100\cdot3}$

A) $\frac{25}{4}$

B) $5\frac{1}{4}$

C) $4\frac{1}{4}$

D) $\frac{27}{4}$

Variant 14

1. Natural sonni 43 ga bo'lganda, bo'linma 25 ga qoldiq 18 ga teng bo'ldi. Bo'linuvchini toping.

A)799 B)1093 C)493 D)1057

2. Bir vaqtning o'zida 15; 20; 75 va 80 bo'linadigan eng kichik son nechaga teng?

A)3600 B)2400 C)600 D)1200

3. O'zaro tub sonlar juftligini toping.

1)(18;25); 2)(44;121); 3)(125;108);
4)(18;105); 5)(7;343)

A)1;2;3 B)1;5 C)1;3 D)1;3;4

4. $\frac{1}{12}$ dan 144 necha marta katta?

A)1728 B)1782 C)12 D)1756

5. Tenglamani yeching.

$$3y + (y - 2) = 2(2y - 1)$$

A)4 B) $\emptyset$ C)0 D) $x \in R$

6. 18 dan 50 gacha bo'lgan sonlar orasida nechta tub son bor?

A)7 B)10 C)8 D)9

7. Ifodaning qiymatini toping. $\frac{9^{5 \cdot 5^9}}{3^9 \cdot 5^{10}}$

A) $\frac{5}{3}$ B)15 C) $\frac{3}{5}$ D) $\frac{9}{5}$

8. 234536478:12 bo'lish amalini bajarib, qoldiqni toping.

A)8 B)9 C)6 D)4

9. 0,1,2,3,4 raqamlar yordamida jami nechta 3 xonali son tuzish mumkin? (raqamlar takrorlanmasin)

A)48 B)36 C)3 D)12

10. Tenglamani yeching. $\frac{12-x}{4} - \frac{2-x}{3} = \frac{x}{6}$

A)14 B)28 C)0 D)18

Variant 15

A)2

B)8

C)16

D)4

1. Hisoblang. $(6\frac{1}{2} - 3\frac{1}{4}) : \frac{1}{8} + 11\frac{3}{7}$

A) $7\frac{5}{7}$

B) $6\frac{5}{7}$

C)1

D) $37\frac{3}{7}$

2. Savatda 4 ta anor, 5 ta nok va 6ta olma bor. Savatdan ikkita turli meva tanlashni necha xil usulda amalga oshirish mumkin?

A)10

B)74

C)120

D)15

3. -22 soniga qarama-qarshi sonni toping.

A)0

B)-20

C)21

D)22

4. 4,8; 5,6; 2,2; 9,4 sonlar o'rta arifmetigini 60% ini toping.

A)3,2

B)2,1

C)3,3

D)4,3

5. 231 va 455 sonlarini eng katta umumiy bo'luvchisini toping.

A)7

B)12

C)56

D)28

6. 1 ar qaysi javobda to'g'ri berilgan?

A)100m

B)10000dm²

C)0,1 ga

D)1km

7. Biror sonni 4 ga bo'lsak, bo'linma berilgan sondan 6 taga katta chiqdi. Berilgan sonni toping.

A)4

B)6

C)8

D)-8

8. $48 \cdot (27 + 6 \cdot 7) : 3$ ifodani hisoblashda bo'lish amali nechanchi tartibda bajariladi?

A)3

B)2

C)4

D)1

9. Berilgan sonni 25% i bu sonni ikkilanganidan necha marta kichik?

10. 3 ta to'g'ri chiziq tekislikni ko'pi bilan nechta qismga ajratadi?

A)4

B)5

C)6

D)7

Variant 16

1. Hisoblang. $\frac{111}{333} + \frac{333}{666} + \frac{555}{666}$

- A) $\frac{6}{5}$ B) 2,5 C) $\frac{5}{3}$ D) 1,25

2. Tenglamalar sistemasidan $\frac{x}{2}$

ni toping.

$$\begin{cases} 2x + 3y = 7 \\ 3x - 4y = 2 \end{cases}$$

- A) 0,9 B) 0,(9) C) -1 D) T.J.Y

3. Agar sonning 50% i 25 ga teng bo'lsa, sonning uchlanganligi nimaga teng?

- A) 53 B) 50 C) 75 D) 150

4. $\frac{11}{15}, \frac{25}{23}, \frac{19}{41}, \frac{73}{70}, \frac{41}{84}, \frac{28}{28}$ lardan nechitasi noto'g'ri kasr?

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

5. $V=abc$ - formula qaysi shakl uchun o'rinli?

- A) Parallelepiped B) Kub
C) Romb D) Ko'pburchak

6. Hisoblang. $\sqrt{256 \cdot 0,25 \cdot 81}$

- A) 12 B) 72 C) 48 D) 38

7. Quyidagilardan qaysi biri

9 ga bo'linmaydi?

- A) 8082 B) 4365 C) 1791 D) 2654

8. 20 ta sigirga 3 oyga 4t ozuqa kerak. 15 ta sigirga 5 oyga qancha (t) ozuqa kerak?

- A) 5t B) 4,8t C) 5,5t D) 6t

9. a va b sonlarning EKUBi 24 ga EKUKi 144 ga teng. Agar $a=72$ bo'lsa b ni toping.

- A) 14 B) 26 C) 48 D) 52

10. 2 hafta 72 soat 4320 minut necha sutka?

- A) 17 B) 21 C) 20 D) 19

Variant 17

1. Agar $\frac{8}{18} + \frac{21}{32} + \frac{33}{45} = a$

bo'lsa, $\frac{28}{18} + \frac{43}{32} + \frac{57}{45}$

ning qiymatini toping.

A)2-a B)3-a C)6-a D)a-6

2. Do'konga 100 tonna karam keltirildi. Agar karamning 80% i sotilgan bo'lsa, do'konda necha tonna karam qolgan?

A)20 B)10 C)40 D)80

3. Uchburchak tomonlari 5:7:9 nisbatda. Perimetri 84 bo'lsa, katta tomonini toping.

A)32 B)42 C)15 D)36

4. 2 ga bo'lganda 1, 3 ga bo'lganda 2, 4 ga bo'lganda 3 qoldiq qoladigan eng kichik natural son 10 dan nechchiga katta?

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

5. Qancha pulning beshdan to'rt qismi 20 ming so'm bo'ladi?

A)16 ming B)30 ming

C)35 ming D)25 ming

6. a sonining yarmiga nisbati nechga teng?

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

7. 0,1,2,3 raqamlar yordamida nechta ikki xonali son tuzish mumkin? (raqamlar takrorlanmasa)

A)8 B)7 C)6 D)9

8. Qavariq to'rtburchakning uch burchagi yig'indisi 280 gradusga teng. To'rtinchi burchakning qo'shni burchagini toping. (gradusda)

A)120° B)100° C)60° D)80°

9. Sonning 1000 dan 1 qismiga nima deyiladi?

A)Promil B)Foiz C)Asimtota D)T.J.Y

10. Bir ishni Ali a kunda, Vali esa 3a kunda bajaradi. Birgalikda a-2 kunda bajarishsa, a ni toping.

A)4 B)6 C)8 D)10

Variant 18

10. Hisoblang. $\sqrt{\sqrt{256}}$

A)4 B)3 C)6 D)16

1. Hisoblang. $(\frac{5}{6} \cdot 5 - 5) : \frac{2}{3} - 0,5^2$

A)-1,5 B)0,5 C)-1 D)1,5

2. Tenglamaning yeching. $x^2 = 100$

A) ± 10 B)-10 C)10 D)0

3. Ikki sonning yig'indisi 8,2 ga teng. Ulardan biri ikkinchisidan 4 marta kichik. Shu sonlarning kattasini toping.

A)6 B)6,56 C)5,56 D)6,24

4. Tenglamani yeching.

$$3 \cdot (\frac{x}{2} + 4) - 3\frac{1}{7} = 5\frac{6}{7}$$

A)-2 B)12 C)-8 D)6

5. Ushbu $\frac{2a+5 \cdot (3a-5)}{(a+4) \cdot 2021} \cdot a$ ifodani $a=0$ dagi qiymatini toping.

A)-7 B)1 C) $\frac{4}{2021}$ D)0

6. Quyidagi javoblardan qaysi biri 7 ga qoldiqli bo'linadi?

A)402632 B)171955

C)515865 D)343910

7. 0 soniga teskari sonni toping.

A)0 B)1 C)mavjud emas D)a

8. Ayirma qanday raqam bilan tugaydi?

$$17 \cdot 28 \cdot 41 - 24 \cdot 12 \cdot 87$$

A)3 B)0 C)1 D)7

9. Tenglamani yeching. $2x+35=-5$

A)5 B)40 C)20 D)-20

Variant 19

1. 1,2,3,4,5 raqamlar yordamida nechta 4 xonali son tuzish mumkin? (raqamlar takrorlanmasa)

A)5 B)60 C)120 D)24

2. Hisoblang: $32+54:9-28$

A)54 B)6 C)5 D)10

3. Juft sonlar ketma-ketligi to'g'ri berilgan qatorni belgilang.

A)1,2,3,4,5,6 B)2,4,6,8,0

C)2,5,6,8 D)2,4,6,9

4. Sinfda o'quvchilarning 40% ini qizlar tashkil etadi. Agar sinfda 30 ta o'quvchi bo'lsa, ularning nechtasi o'g'il bolalar?

A)26 B)4 C)12 D)18

5. $\frac{1}{3}$ dan 36 necha marta katta?

A)108 B)36 C)72 D)12

6. Muntazam uchburchakning bir tomoni 6 sm ga teng bo'lsa, uning qolgan tomonlari yig'indisini toping.

A)6sm B)12sm C)18sm D)24sm

7. Tenglamani yeching. $x : (-3,5) = 2,5$

A)8,75 B)-6,75 C)6,25 D)-8,75

8. Ifodani soddalashtiring.

$$2,5(4-3y)-y+2,3$$

A)12,3-8,5y B)12,3+8,5y

C)3,3-6,5y D)12,3-6,5y

9. 4ta matematik 4ta misolni turli ketma-ketlikda necha xil usulda ishlashi mumkin?

A)12 B)24 C)18 D)22

10. Ifodani qiymatini toping.

$$\frac{3}{7} \cdot (-0,54) - 1,56 \cdot \frac{3}{7}$$

A)9 B)-0,09 C)0,9 D)-0,9

Variant 20

1. To'g'ri to'rtburchakning bo'yi 3,7 sm, eni bo'yidan 1,4 sm qisqa. Shu to'g'ri to'rtburchakning perimetrini toping.

A)6sm B)10,2sm C)12sm D)22sm

2. Kasrni qisqartiring:

$$\frac{3a^2 - 27}{18 - 6a}$$

A) $-\frac{a+3}{2}$ B) $\frac{a+3}{2}$ C)1 D)-1

3. Oxirgi raqamini toping. 2^{1000}

A)2 B)4 C)8 D)6

4. Tenglamalar sistemasini yeching:

$$\begin{cases} y = 11 - 2x \\ 5x - 4y = 8 \end{cases}$$

A)(4;3) B)(-4;-3) C)(4;-3) D)(-4;3)

5. Kubning hajmi $27m^3$. Shu kubning barcha qirralar yig'indisi necha m ?

A)9 B)12 C)36 D)48

6. Radiusi 8,1 sm bo'lgan doira yuzining $\frac{2}{9}$ qismini toping. ($\pi = 3,1$ deb xisoblang)

A)45,188sm² B)45,198sm²
C)42,75sm² D)44,198sm²

7. Suv qayerda untundek turadi?

A)Tarnovda B)Quduqda
C)Sharsharada D)T.J.Y

8. Sutda 10 foiz qaymoq bo'lsa, 22 l sutda necha litr qaymoq bor?

A)2,2 B)3 C)3,2 D)22

9. Uchburchakning bitta uchini kessak nechta uchi qoladi?

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

10. $5dm^2 8sm^2 = ? sm^2$

A)508 B)58 C)580 D)85

Variant 21

1. 36,8364 sonini yuzdan birgacha anqlikda yaxlitlang.

A)36,83 B)36,84 C)36,8 D)36,8364

2. 2ta bo'sh o'rindiqqa 3 kishidan 2 nafarini necha xil usulda o'tqazish mumkin?

A)6 B)4 C)5 D)3

3. 300 gektar dalaning 225 gektari haydaldi, dalaning necha foizi haydalgan?

A)76 B)77 C)75 D)78

4. Hisoblang. $(38 \cdot 54 + 38 \cdot 42): 24$

A)150 B)152 C)151 D)153

5. Qutiga 345 dona shokalad solingandan so'ng undagi jami shokaladlar soni 423 donaga yetdi. Dastlab qutida nechta dona shokalad bo'lgan?

A)79 B)77 C)76 D)78

6. $6!$ Nechaga teng?

A)120 B)150 C)620 D)720

7. Tenglamani yeching. $\frac{x-7}{3} + \frac{2x+1}{2} = \frac{5}{6}$

A)2 B)3 C)4 D)5

8. 4788 soni quyidagilardan qaysi biriga qoldiqsiz bo'linmaydi?

A)7 B)9 C)14 D)11

9. Qaysi tezlik katta? 36km/soat mi yoki 10m/c

A)36km/soat

B)Teng

C)10m/c

D)T.J.Y

10. Tushirib qoldirilgan sonni toping.

3,5,8,12,17,...,30

A)21

B)24

C)22

D)23

Variant 22

1. Raqamlari yig'indisi 2 ga teng bo'lgan nechta uch xonali son bor?

A)2 B)3 C)4 D)5

2. 2 tovuq 2 kunda 2 ta tuxum quysa, 4 ta tovuq 4 kunda nechta tuxum quyadi?

A)8 B)2 C)4 D)6

3. 40 sonini 4 marta kamaytirsak qanday son hosil bo'ladi?

A)4 B)10 C)35 D)8

4. 3,4,5,6 sonlarini takrorlamasdan nechta 4 xonali son tuzish mumkin?

A)120 B)96 C)48 D)24

5. A mulohaza „Har qanday juft son 6 ga qoldiqsiz bo'linadi“, B mulohaza „Har qanday 6 ga qoldiqsiz bo'lingan son juft son bo'ladi“. Ushbu mulohazalar asosida to'g'ri javobni toping.

A)A rost va B yolg'on

B)A yolg'on va B rost

C)A yolg'on va B yolg'on

D)T.J.Y

6. 0,6(3) ni oddiy kasrga aylantiring.

A) $\frac{4}{15}$ B) $\frac{2}{30}$ C) $\frac{62}{90}$ D) $\frac{57}{90}$

7. Bir to'g'ri chiziqda yotmaydigan 10 ta nuqtadan nechta to'g'ri chiziq o'tkazish mumkin?

A)90 B)45 C)50 D)59

8. 72 va 96 sonlari EKUK ining EKUB iga nisbatini toping.

A)10 B)0,1 C)9 D)12

9. Hisoblang. $(9^2 - 11^2):10 - 289:17$

A)17,4 B)17 C)-21 D)-13

10. Atir sovunining o'lchamlari 1dm, 4 sm va 2 sm. Sovun ishlatilganda har kuni uning hajmi $2sm^3$ ga kamayib boradi. Sovundan necha kun foydalanish mumkin?

A)4 B)8 C)20 D)40

Variant 23

1. Hadicha 14 ta turli rangdan birini ko'pi bilan necha xil usulda tanlashi mumkin?

- A)10 B)1 C)14 D)15

2. Soddashtiring. $25a-18a+6a$

- A)13a B)14a C)-13a D)7a

3. Tenglamani yeching. $5(3x-1)+x=11$

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

4. Bixadlarni ko'paytmasi nimaga teng?
(xy^5 va $2x^6y$)

- A) $2x^7y^6$ B) $3x^7y^6$
C) $2x^6y^7$ D) $2x^2y^6$

5. Xisoblang. $2023 \cdot 2019 - 2022 \cdot 2018$;

- A)4040 B)3871 C)4141 D)4041

6. Stolda adabiyot, algebra, geometriya, fizika va huquq darsliklari yotibdi.

Mohina ularni kitob javoniga qo'ymoqchi. Bu darsliklar javonda jami necha xil usulda turishi mumkin?

- A)4! B)120 C)36 D)5

7. Soddashtiring:

$$a(b+c-bc)-b(c+a-ac)+c(b-a)$$

- A)0 B)1 C)ab-bc D)cb-ca

8. Agar kubning qirrasi 10 sm ga teng bo'lsa, uning qirralari yig'indisi nechaga teng?

- A)12sm B)130sm C)120sm D)40sm

9. Muntazam uchburchakning bir tomoni 12 sm ga teng bo'lsa, uning qolgan tomonlari yig'indisini toping.

- A)24dm B)36sm C)12sm D)24sm

10. $\frac{1}{4}$ dan 166 necha marta katta?

- A)166 B)106 C)664 D)41,5

Variant 24

1. Alim 10 xil mevdadan birini ko'pi bilan necha xil usulda tanlashi mumkin?

A)10 B)11 C)12 D)1

2. 4,5,6,7,8 raqamlar yordamida jami nechta xar xil ikki xonali son tuzish mumkin?

A)20 B)30 C)12 D)25

3. Zarina 256 betlik kitobning $\frac{1}{8}$ qismini o'qigan bo'lsa, u kitobning necha betini o'qimagan?

A)224 B)232 C)32 D)248

4. Kvadratning perimetri 36 dm ga teng bo'lsa, uning yuzini aniqlang.

A)81sm² B)36sm² C)81dm² D)9dm

5. Xisoblang. $(\frac{1}{2,5-1} - \frac{1}{3\frac{1}{2}-1}) : \frac{8}{15}$

A) $\frac{2}{3}$ B) $\frac{4}{3}$ C) $\frac{2}{4}$ D) $\frac{3}{2}$

6. Ko'paytuvchilarga ajrating:

$$2a(x - y) - b(x - y)$$

A)(x-y)(a-b) B) (x-y)(a-2b)

C) (x-y)(2a-b) D) (x-y)(2a+b)

7. Uzunligi 80 metr bo'lgan sim uzunliklari 12:13:15 nisbatda bo'lingan. Hosil bo'lgan simlardan eng yengilining uzunligini (m) toping.

A)26 B)2 C)30 D)24

8. Tenglamani yeching.

$$31-(8x+8)=15$$

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

9. A mulohaza „Har qanday juft son 5 ga qoldiqsiz bo'linadi“, B mulohaza „Juft son ham tub son bo'lishi mumkin“. Ushbu mulohazalar asosida to'g'ri javobni toping.

A)A rost va B yolg'on

B) T.J.Y

C)A yolg'on va B yolg'on

D) A yolg'on va B rost

10. Xisoblang. $\frac{79^2-65^2}{280}$

A)6 B)14 C)6,6 D)7,2

Variant 25

1. Agar songa uning ikkilanganini qo'shsak natija 84 ga teng chiqsa sonning yarmi nimaga teng?

A)29 B)14 C)28 D)56

2. Tenglamani yeching: $3 \cdot (7x+6)=39$

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

3. Agar $a=\log_2 128$; $b=\sqrt[3]{1000}$ ga teng bo'lsa a va b larni taqqoslang.

A) $a>b$ B) $a+1>b$ C) $b-3=a$ D) $b\geq a$

4. Quyidagilardan qaysi biri natural son emas? 10; 9; 1; 0

A)0 B)1 C)9 D)10

5. Jami ikki xonali sonlar nechta?

A)90 B)73 C)89 D)100

6. 1,3,4,5,8,9 raqamlar yordamida jami nechta xar hil 3 xonali son hosil qilish mumkin?

A)360 B)120 C)30 D) 6^4

7. Uzunligi 120 metr bo'lgan sim uzunliklari 3:5:7 nisbatda bo'lingan. Hosil bo'lgan simlardan eng og'irining uzunligini (m) toping.

A)24 B)40 C)8 D)56

8. Nigora 360 betlik kitobning 30% ini o'qib tugatgan bo'lsa, Kitobni yana necha betini o'qishi kerak-?

A)108 B)120 C)30 D)252

9. 0,1,2,3,4,5 raqamlar yordamida jami nechta to'rt xonali son tuzish mumkin? (raqamlar takrorlanmasa)

A)180 B)100 C)300 D)120

10. Muntazam uchburchakning bir tomoni 12 sm ga teng bo'lsa, uning perimetrini hisoblang-?

A)36sm B)24sm C)12sm D)18sm

Variant 26

1. Hisoblang: $\frac{222}{222} + \frac{333}{333} + \frac{444}{444}$

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

2. Uch sutka necha sekunddan iborat?

A)269200 B)4320
C)259200 D)172800

3. Eng kichik butun sonni toping:

-17; 0; -1; 1

A)-17 B)0 C)1 D)-1

4. Yig'indini hisoblang:

$$\underbrace{-1 + (-1) + (-1) + \dots + (-1)}_{2022 \text{ ta}}$$

A)2022 B)0 C)-2022 D)-1

5. $S = v \cdot t$ formulada t nimani ifodalaydi?

A)Tezlikni B)Masofani
C)Massani D)Vaqtni

6. 12, 13 va 14 sonlarining o'rta arifmetigi K ga teng bo'lsa, K nechaga teng?

A)19,5 B)14 C)39 D)13

7. Tenglamani yeching:

$$5 \cdot (2y - 4) = 3 \cdot (5y - 10)$$

A)2 B)-2 C)0 D)5

8. Qirradi a ga teng bo'lgan kubning barcha qirralari yig'indisining ikkilangani nimaga teng?

A)12a B)24a C)6a D)2a

9. 200 ning 20% i 500 ning 40% i dan necha marta kam?

A)160 B)0,2 C)4 D)5

10. 3 ta ko'ylagi va 4 ta tuflisi bo'lgan kishi nechta turli usulda kiyinishi mumkin?

A)12 B)7 C)14 D)4

Variant 27

1. Ikki sutka necha minutdan iborat?

A)2880 B)172800 C)48 D)120

2. Qirrasini a ga teng bo'lgan kubning barcha qirralari yig'indisining yarmi nimaga teng?

A)12a B)24a C)6a D)2a

3. Hisoblang: $1+2+3+...+18+19$

A)190 B)361 C)42 D)380

4. Ko'paytuvchilarga ajrating: $121-x^2$

A) $(11+x)(11+x)$ B) $(11+x)(11-x)$

C) $(x+11)(x-11)$ D) $(11-x)(11-x)$

5. $2,4 \cdot (1,8 - 2,5)$ ifodani hisoblang.

A)4,2 B)-4,2 C)1,68 D)-1,68

6. Hisoblang: $\frac{111}{111} + \frac{444}{111} + \frac{555}{111}$

A)10 B)11 C)5 D)9

7. Hisoblang: $\sqrt{121 \cdot 0,36 \cdot 64}$

A)8,8 B)6,6 C)52,8 D)5,28

8. $S = v \cdot t$ formulada v nimani ifodalaydi?

A)Tezlikni B)Masofani

C)Massani D)Vaqtni

9. Jami uch xonali sonlar nechta?

A)900 B)90 C)899 D)1000

10. Hisoblang: $C_6^2 + C_5^3$

A) 6^2 B) 7^2 C) 5^2 D) 5^1

Variant 28

1. Proporsiyaniy noma'lum hadini toping.

$$\frac{EKUB(12; 24)}{x} = \frac{2}{EKUK(12; 24)}$$

A)144 B)12 C)6 D)24

2. $a=100+102+104+\dots+2020$,
 $b=102+104+106+\dots+2022$ bo'lsa $b-a$ ni toping.

A)1922 B)2022 C)100 D)2020

3. MAKRO supermarketida 707 kg olma bor. Birinchi besh kunda kuniga 49 kg dan olma sotildi. Undan keyingi kunlarda kuniga 66 kg dan sotildi. Jami olmalar necha kunda sotilgan?

A)5 B)7 C)12 D)19

4. Barcha tub sonlarning ko'paytmasi qanday raqam bilan tugaydi?

A)1 B)3 C)5 D)T.J.Y

5. k natural son bo'lib, $5k+6$ juft bo'lsa, quyidagilardan qaysi biri toq?

A) $k+2$ B) $7k+5$

C) k^3+4 D) k^3+k

6. Agar $\overline{ab} + \overline{ba} = 110$ bo'lsa, $a+b$ ni toping.

A)10 B)11 C)12 D)9

7. Oddiy kasrning maxraji ortsa, kasrning qiymati....

A)Ortadi B)kamayadi

C)o'zgarmaydi D)aniqlab bo'lmaydi

8. Hisoblang:
$$\frac{\left(\frac{1}{2}+\frac{1}{3}\right)-\left(\frac{1}{4}-\frac{1}{5}\right)}{\left(\frac{1}{6}+\frac{1}{4}\right)+\left(\frac{1}{10}-\frac{1}{8}\right)}$$

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

B) $\frac{1}{3}$

C) $\frac{27}{9}$

D) $\frac{14}{7}$

9. $a = \frac{2016}{2017}$ va $b = \frac{2017}{2018}$ kasrlarni taqqoslang.

A) $a < b$ B) $a > b$ C) $a = b$ D) $a = b + \frac{1}{2017}$

10. 1,2,3,4 raqamlaridan ularni takrorlab, tuzish mumkin bo'lgan barcha uch xonali sonlar nechta?

A)64ta B)28ta C)8ta D)27ta

Variant 29

1. 100 va 200 orasidagi nechta musbat butun son faqat toq raqamlardan tashkil topgan?

A)37ta B)5ta C)15ta D)25ta

2. Nechta ikki xonali sonning raqamlar yig'indisi 7 ga teng.

A)5ta B)8ta C)7ta D)T.J.Y

3. Uchta nevara buvisidan uning yoshi haqida so'radi. Buvi esa "O'zlaring topib ko'ringlar-chi?!" – deb javob berdi. Shundan keyin nevaralar quyidagicha o'z fikrlarini aytishdi: "Sizning yoshingiz 75 da", "Sizning yoshingiz 78 da", "Sizning yoshingiz 81 da".

Nevaralarning aytganlaridan bittasi 1 yilga, boshqasi 2 yilga, yana boshqasi 4 yilga adashdi. Buvining yoshi nechada bo'lishi mumkin?

A)77 yoki 79 B)77 yoki 80

C)79 yoki 80 D)79 yoki 82

4. $2^{2022} + 2^{2023}$ va $3^{2022} + 3^{2023}$ sonlarining eng katta umumiy bo'luvchisini (EKUB) va eng kichik umumiy karralisini (EKUK) toping.

A) 3 va 6^{2023} B) 12 va 6^{2022}

C) 2^{2022} va 3^{2022} D)T.J.Y

5. Hisoblang: $\frac{444}{444} - \frac{555}{111} + \frac{666}{333} + 2$

A)0 B)1 C)2 D)T.J.Y

6. Agar $\overline{ab} + \overline{ba} = 110$ bo'lsa, $(a+b)^2$ ni toping.

A)100 B)110 C)120 D)90

7. $S = v \cdot t$ formulada S nimani ifodalaydi?

A)Tezlikni

B)Masofani

C)Massani

D)Vaqtni

8. Yig'indini hisoblang:

$$\underbrace{-1 + (-1) + (-1) + \dots + (-1)}_{2023 \text{ ta}}$$

A)-2023 B)0 C)2023 D)-1

9. Jami to'rt xonali sonlar nechta?

A)9999 B)73 C)9000 D)9900

10. Hisoblang: $\sqrt{\frac{59^3 + 41^3}{100}} - 59 \cdot 41$

A)22 B)16 C)13 D)18

Variant 30

1. Hisoblang: $\frac{888}{444} + \frac{555}{111} + \frac{999}{333}$

A)10 B)9 C) $\frac{2223}{1342}$ D)T.J.Y

2. Soddalashtiring:

$$a + a^2 + a^3 + 3a + a^2$$

A) $4a + 2a^2 + 2a^3$ B) $2(a^2 + 2a) + a^3$

C) $2(a^2 + 3a + a^3)$ D) $a^3 + a^2 + 4a$

3. -0,(9) soniga qarama-qarshi sonni toping.

A) $\frac{1}{2}$ B) $\frac{2}{3}$ C) $\frac{17}{11}$ D) $\frac{27}{27}$

4. Agarda bugun kun payshanba bo'lsa, 12 kundan keyingi kun haftaning qaysi kuniga to'g'ri keladi?

A)Seshanba B)Dushanba
C)Juma D)Yakshanba

5. BOL:OL=OL bu yerda B,O,L turli raqamlar bo'lsa u holda O+L-B nimaga teng-?

A)-1 B)0,(9) C)5 D)2

6. 3 ta sonning yig'indisi 19,98 ga teng. Agar 1-chi sonni vergulini o'ngga sursak 2-chi son hosil bo'ladi, chapga sursak 3-chi son hosil bo'ladi. Shu sonlarni toping.

A)1,8; 18; 0,18 B)2,9; 0,29; 29
C)2,5; 25; 0,25 D)1,6; 16; 0,16

7. Uchburchakning bir burchagi 65° ga teng bo'lsa, uning qolgan burchaklarining yig'indisi nimaga teng-?

A) 130° B) 105° C) 115° D) 180°

8. Nomalum sonning 14% i 80 ning 35% iga teng. Nomalum sonni toping.

A)28 B)100 C)200 D)300

9. Hisoblang: $\frac{6!}{5!} - \frac{4!}{3!}$

A)0 B)1 C)2 D)-2

10. Agar $a=5\text{sm}$ $b=0,2\text{m}$ va $c=7\text{sm}$ ekanligi ma'lum bo'lsa $V=abc$ necha sm^3 ga teng bo'ladi?

A) 800sm^3 B) 100sm^3
C) 7sm^3 D) 700sm^3

Variant 31

1. Hisoblang: $\frac{17!}{16!} - \frac{7!}{6!}$

A)0 B)1 C)10 D)-2

2. Yig'indini hisoblang:

$$\underbrace{(-2) + (-2) + (-2) + \dots + (-2)}_{2022 \text{ ta}}$$

A)-4044 B)0 C)2023 D)-1

3. Salima 15 xil mevdan birini ko'pi bilan necha xil usulda tanlashi mumkin?

A)10 B)11 C)12 D)15

4. Xisoblang. $\frac{2022^2 - 2018^2}{4}$

A)6 B)14 C)6,6 D)4040

5. $KUB=B^3$ bu yerda K,U,B turli raqamlar bo'lsa u holda B nimaga teng?

A)-1 B)0,(9) C)5 D)2

6. Feruza 400 betlik kitobning 40% ini o'qib tugatgan bo'lsa, Kitobni yana necha betini o'qishi kerak-?

A)108 B)120 C)30 D)240

7. Soddalashtiring: $\frac{a^3 + a^2 + a + 1}{a + 1}$

A) $a^2 + 1$ B) $a^2 - 1$ C) a^2 D) $a + 1$

8. Tenglamani yeching: $x - 35 = \frac{17}{20}$

A) $\frac{383}{20}$ B) $17\frac{17}{20}$ C) $20\frac{17}{20}$ D) $35\frac{17}{20}$

9. Qancha pulning beshdan uch qismi 21 ming so'm bo'ladi?

A)16 ming B)30 ming

C)35 ming D)25 ming

10. Agar $d=3$ ekani ma'lum bo'lsa, $\frac{d^3 - (-27)}{2}$ nimaga teng?

A)16 B)27 C)0 D)8

Variant 32

1. Agar $k=5$ ekani ma'lum bo'lsa, $\frac{k^3 - (-25)}{150}$ nimaga teng?

- A)16 B)27 C)0 D)0,(9)

2. Soddashtiring: $\frac{d^3 + d^2 + d + 1}{d + 1} - d^2$

- A) $\frac{17}{17}$ B) $d^2 - 1$ C)-1 D) $\frac{16}{27}$

3. 42, 43 va 44 sonlarining o'rta arifmetigi K ga teng bo'lsa, K nechaga teng?

- A)19,5 B)14 C)39 D)43

4. Agar bo'luchi $x+2$ ga, bo'linma $x+2$ ga, qoldiq 1 ga teng bo'lsa, bo'linuvchi nimaga teng?

A) $x^2 + 3x + 3$ B) $x^2 + 3x + 2$

C) $x^2 + 4x + 5$ D) $x^2 + 3x - 3$

5. Quyidagilardan qaysi biri natural son emas?

- A)10 B)9 C)0 D)123456

6. Ushbu 1456^{956} natijaning oxirgi raqamini yarmi nechaga teng?

- A)6 B)3 C)4 D) A va B javob

7. Quyidagi tasdiqlardan qaysilari to'g'ri?

1) Kvadratning yuzi $S=a^2$ formula yordamida topiladi.

2) Eng kichik natural son 0 ga teng.

3) 2,4,6,7,8 sonlar juft sonlar xisoblanadi.

- A)1 B)1,3 C)2,3 D)T.J.Y

8. Tog'ri to'rtburchakning eni 8 sm ga teng, bo'yi undan 2 sm ga ortiq bo'lsa, uning perimetrini toping.

- A)24 sm B)28 sm C)36 sm D)20 sm

9. Algebraik kasrning son qiymatini

toping: $\frac{3a + 4b}{5a - 2b}$, bunda $a=4$, $b=-5$.

- A)-3,75 B) $-\frac{4}{15}$ C)3,75 D) $\frac{4}{15}$

10. Surati p va q sonlarining kvadratlarining yig'indisiga, maxraji esa ularning ko'paytmasiga teng bo'lgan algebraik kasrni yozing.

- A) $\frac{pq}{p-q}$ B) $\frac{pq}{p^2+q^2}$ C) $\frac{p-q}{pq}$ D) $\frac{p^2+q^2}{pq}$

Variant 33

1. Ko'paytuvchilarga ajrating:

$$25a^2 - 4b^2 + 10a + 4b.$$

- A) $(5a-2b)(5a+2b+2)$
 B) $(5a+2b)(5a-2b+2)$
 C) $(5a-2b)(5a-2b-2)$ D) $(5a+2b)(5a+2b-2)$

2. Amallarni bajaring:

$$\frac{2}{2a+3} + \frac{3}{3-2a} + \frac{2a+15}{4a^2-9}$$

- A) $\frac{1}{2a-3}$ B) 0 C) $\frac{-1}{2a-3}$ D) $\frac{2a+3}{2a-3}$

3. Amallarni bajaring:

$$\left(\frac{1}{2a} + \frac{1}{3b}\right) : (2a + 3b).$$

- A) $\frac{1}{6ab}$ B) 6ab C) 1 D) $2a + 3b$

4. Ushbu 7866^{16} natijaning oxirgi raqami nechaga teng?

- A) 6 B) 3 C) 4 D) A va B javob

5. Quyidagi mulohazalardan qaysi biri noto'g'ri?

A) Uchburchakda katta burchak qarshisida katta tomon yotadi.

B) Uchburchakda katta tomon qarshisida katta burchak yotadi.

C) Uchburchakda kichik burchak qarshisida kichik tomon yotadi

D) Uchburchakda kichik burchak qarshisida katta tomon yotadi.

6. Kasrlarni ayiring: $\frac{a+b}{a^2-ab+b^2} - \frac{1}{a+b}$

A) $\frac{1}{a^3+b^3}$

B) $\frac{3}{a^3+b^3}$

C) $\frac{ab}{a^3+b^3}$

D) $\frac{3ab}{a^3+b^3}$

7. Agar uchburchakning A, B va C burchaklari 4; 5 va 6 sonlariga proporsional bo'lsa, A burchakni toping.

- A) 60° B) 30° C) 48° D) 72°

8. Uchburchakning ikkita burchaklari 20° va 60° ga teng bo'lsa, uning noma'lum burchagini toping.

- A) 100° B) 20° C) 80° D) 120°

9. Ko'paytuvchilarga ajrating: $8a^3-2ab^2$

- A) $2a(2a-b)^2$ B) $2a(2a+b)(2a-3b)$
 C) $2a(2a-b)(2a+b)$ D) $(2a-b)(4a^2+ab+b^2)$

10. Kasrlarning yig'indisini toping:

$$\frac{1}{ab} + \frac{1}{bc}.$$

- A) $\frac{2}{ab^2c}$ B) $\frac{a+c}{abc}$ C) $\frac{2b}{ab^2c}$ D) $\frac{b+c}{abc}$

Variant 34

1. 20 ta sigirga 3 oyga 4t ozuqa kerak.
15 ta sigirga 5 oyga qancha ozuqa
kerak?

A) 5t B) 4,8t C) 5,5t D) 6

2. 1,8,27... kiyingi sonni toping.

A) 2 B) 0,(9) C) 64 D) 3

3. Natija 3 ning nechanchi darajasiga
teng bo'ladi? $27^2 \cdot x = 3^5 \cdot 3$

A) 6 B) 0 C) T.J.Y D) 3

4. Agar o'ylangan songa uning yarmi
qo'shilsa natija 27 ga teng chiqdi.
O'ylangan son nechaga teng?

A) 18 B) 9 C) 15 D) 3

5. Hisoblang: $200^2 - 199^2$

A) 40000 B) 399 C) 1 D) 39601

6. 5! nechaga teng?

A) 120 B) 72 C) 120 D) 12

7. Agar $a=22\text{mm}$, $b=2,2\text{sm}$ va $c=1\text{dm}$
bo'lsa, ularni taqqoslang.

A) $c>a=b$ B) $a>c=b$ C) $b>c>a$ D) $a=b=c$

8. Hisoblang: $4^2 \cdot 4^6 \cdot 2^8 : 2^{16}$

A) 2^{10} B) 4^8 C) 4^2 D) 2^8

9. Dam olish maskanida 48 tup chinor,
undan 2 marta ko'p archa, archadan 16
tup kam tol ekildi. Necha tup tol
ekilgan?

A) 80 B) 96 C) 48 D) 16

10. Do'konga 100 ta kitob keltirildi.
Kun bo'yi ularning beshdan bir qismi
sotildi. Shu kuni nechta kitob sotilgan?

A) 80 B) 40 C) 20 D) 25

Variant 35

1. Hisoblang: $300^2 - 299^2$

A)40000 B)599 C)1 D)39601

2. Agar a sonining beshdan bir qismi 21 ga teng bo'lsa, a soni nimaga teng?

A)150 B)130 C)105 D)115

3. 231^{327} ushbu ifodaning oxirgi raqami b ga teng bo'lsa, u holda $3 \cdot b$ nimaga teng?

A)5 B)1 C)7 D)3

4. 10 ta bir xil xaltachaga 20 kg un solingan. 60 kg unni solish uchun shunday xaltachadan nechta kerak bo'ladi?

A)30 B)20 C)60 D)40

5. Qurilishga 150 t sement, sementdan 4 marta ko'p qum keltirildi. Sementdan necha tonna ko'p qum keltirilgan?

A)450t B)150t C)600t D)550t

6. Qavslarni oching va soddalashtiring.
 $5a + (3a - (4a + 3))$

A) $8a + 3$ B) $4a - 3$ C) $-4a - 3$ D) $3 - 4a$

7. $4 : (2x + 5) = 2 : (3x - 2)$ tenglamaning ildizi x_0 bo'lsa, $4x_0 + 11$ ifodaning son qiymatini toping.

A)-18 B) -20 C)19 D)20

8. Aylananing diametri radiusidan 3 sm uzun. Aylananing radiusini toping.

A)3 B) 4 C)5 D)6

9. Kubning qirrasi 7 sm. Shu kupning barcha qirralari yig'indisini toping.

A)28 B)84 C)21 D)56

10. Bo'yi 10 sm, eni 8 sm balandligi 6 sm bo'lgan to'g'ri burchakli parallelopipedning hajmini toping.

A) 480 sm^3 B) 320 sm^3

C) 240 sm^3 D) 160 sm^3

Variant 36

1. Tenglamani yeching:

$$x+2x+3x+4x+....+19x=190$$

A)0,(9) B)0,9 C)2 D)T.J.Y

2. Kasrni qisqartiring: $\frac{25!}{23!}$

A)300 B)400 C)500 D)600

3. Bo'yi 5 sm, eni 4 sm balandligi 8 sm bo'lgan to'g'ri burchakli parallelopipedning hajmini toping.

A) 160 sm³ B)120 sm³
C)240 sm³ D)480 sm³

4. 885^{369} ushbu ifodaning oxirgi raqami c ga teng bo'lsa, u holda c:5 nimaga teng?

A)5 B) $\frac{10}{10}$ C) $\frac{15}{18}$ D)3

5. 20 ta sigirga 4 oyga 4t ozuqa kerak. 25 ta sigirga 4 oyga qancha ozuqa kerak?

A) 6t B) 4,8t C)5,5t D) 5t

6. Perimetri 32 sm ga teng bo'lgan kvadratning bir tomoni uzunligini toping.

A)28 B)36 C)8 D)90

7. Radusi 6 sm bo'lgan aylananing diametrini toping.

A)12 sm B)3 sm C)18 sm D)24 sm

8. Agar o'ylangan sonni 3 ga ko'paytirib 5942 ayrilsa 5053 hosil bo'ladi o'ylangan sonni toping.

A)3615 B)3845 C)3665 D)3005

9. Sayyoh mo'ljallangan yo'lining 36% ini o'tgach, hisoblab ko'rsa, yo'lining yarmini o'tish ucnun yana 7 km yo'l yurishi kerak ekan. Mo'ljallangan yo'l necha km?

A) 350 B) 70 C) 50 D) 87,5

10. a ning o'rniga shunday son qo'yinki, natijada tenglik o'rinli bo'lsin :

$$\frac{39}{40} = \frac{117}{a}$$

A) 35 B)20 C)130 D) 120

Variant 37

1. Perimetri 80 sm ga teng bo'lgan kvadratning bir tomoni uzunligini toping.

- A)28 B)36 C)20 D)90

2. $a + (2v - 3s)$ qavsni oching .

- A) $a - 2v - 3s$ B) $a + 2v + 3s$
C) $a + 2v - 3s$ D)0

3. Tenglamani yeching: $\frac{x}{2} + \frac{x}{3} + \frac{x}{6} = 12$

- A) $x=15$ B) $x=12$ C) $x=10$ D) $x=9$

4. Ifodani soddalashtiring.

$$(4a^3b^2)^3 : (2a^2b)^2 =$$

- A) $16a^5b^4$ B) $12a^3b^3$ C) $16a^2b^4$ D)0

5. Onasi 48 yoshda, qizi esa 18 yoshda. Necha yil oldin qizi onasidan 3 marta yosh bo'lgan?

- A)6 B)2 C)5 D)3

6. Ifodani daraja shaklida yozing.

$$0,2 \cdot 0,2 \cdot 0,2 \cdot 0,2 \cdot 3 \cdot 3 \cdot 3 \cdot 3$$

- A) $0,2^4 \cdot 3^4$ B) $0,2^3 \cdot 3^3$
C) $0,2^5 \cdot 3^3$ D) $0,2^4 \cdot 3^2$

7. Xisoblang. $\frac{2023^2 - 2017^2}{6}$

- A)6 B)14 C)6,6 D)4040

8. 5 ta bir xil xaltachaga 10 kg un solingan. 40 kg unni solish uchun shunday xaltachadan nechta kerak bo'ladi?

- A)30 B)20 C)60 D)40

9. -55 soniga qarama-qarshi sonni toping.

- A)0 B)-20 C)21 D)55

10. $\sqrt{3} + \sqrt{3} + \sqrt{3}$ yig'indi quyidagilardan qaysi biriga teng?

- A)1 B) $\sqrt{27}$ C)4 D) $\sqrt{8}$

Variant 38

1. Yig'indini hisoblang:

$$\underbrace{\sqrt[3]{8} + \sqrt[3]{8} + \sqrt[3]{8} + \dots + \sqrt[3]{8}}_{100 \text{ ta}}$$

A)200 B)0 C)2023 D)-1

2. Quyidagi kasrlarni o'sish tartibida

yozing. $a=\frac{5}{7}; \quad b=\frac{7}{10}; \quad c=\frac{9}{13}$

A) $c < a < b$ B) $a < b < c$
C) $c < b < a$ D) $b < c < a$

3. Ifodani soddalashtiring:

$$\frac{1}{1-\frac{4}{x}+\frac{3}{x^2}} - \frac{3}{x-4+\frac{3}{x}} - \frac{2}{4x-x^2-3}$$

A) $\frac{x-2}{x-1}$ B) $\frac{x-1}{x-3}$ C) $\frac{x-2}{x-3}$ D) $\frac{x-1}{x-2}$

4. Agar $x^2 - 5x + 2 = 0$ bo'lsa, $\frac{x^2 + \frac{4}{x^2}}{2}$ ning son qiymatini toping?

A)10,5 B)11,5 C)21,5 D)11

5. Agar $\frac{a+b}{a-b}=\sqrt{2}$, $\frac{a}{b} + \frac{b}{a}$ ni hisoblang.

A)2 B)4 C)6 D)8

6. Yig'indi qanday raqam bilan tugaydi?

$$25^{13} + 16^{127} + 23$$

A)4 B)2 C)8 D)0

7. Qo'shni burchaklardan biri ikkinchisidan 16° katta. Shu qo'shni burchaklarni toping.

A) $16^\circ; 164^\circ$ B) $80^\circ; 96^\circ$
C) $62^\circ; 118^\circ$ D) $82^\circ; 98^\circ$

8. Soddalashtiring.

$$(2a - b)^2 - (2a + b)^2$$

A)0 B) $-8ab$ C) $-2b^2$ D) $-4ab+2b^2$

9. Hisoblang.

$$(202^2 - 54^2 + 256 \cdot 352) : (4^4 \cdot 10^2)$$

A)4 B)1 C)10 D)5

10. 4 ta har xil daftarni uch bola o'rtasida necha xil usul bilan taqsimlash mumkin?

A)125 B)81 C)7 C)30

Variant 39

1. $\sqrt{5} + \sqrt{5} + \sqrt{5}$ yig'indi quyidagilardan qaysi biriga teng?

A)5 B)15 C) $3\sqrt{5}$ D) $5\sqrt{3}$

2. 4 ta har xil daftarni besh bola o'rtasida necha xil usul bilan taqsimlash mumkin?

A)125 B)625 C)720 C)300

3. Zalning uzunligi, eni va balandliklarining nisbati 5:3:1 kabi. Zalning uzunligi uning enidan 6 m ko'p. Zalning hajmini (m^3) toping.

A)520 B)320 C)840 D)405

4. Teng yonli uchburchakning asosidagi bir burchagi 65° ga teng bo'lsa, uning uchidagi burchagi necha gradusga teng-?

A) 50° B) 130° C) 60° D) 65°

5. Agar $\frac{a}{b} = 3$ bo'lsa, $a^2 - 9b^2$ nimaga teng-?

A)4 B)-8 C)0 D)-9

6. Soddalashtiring.

$$\frac{x}{x^2 + y^2} - \frac{y \cdot (x - y)^2}{x^4 - y^4}$$

A) $\frac{1}{x+y}$ B) $\frac{1}{x-y}$ C) $x+y$ D) $x-y$

7. Hisoblang.

$$(0,2 \cdot 0,1 - 0,1) : 0,25 + 0,75$$

A)1,07 B)-2,45 C)0,43 D)0,97

8. $15 < x < 33$ ushbu shartni qanoatlantiradigan nechta tub son mavjud-?

A)4 B)5 C)6 D)3

9. Agar a sonni 10 ga bo'lganda 5 qoldiq qolsa, shu a sonni 5 ga bo'lganda qanday qoldiq qoladi-?

A)5 B)1 C)7 D)T.J.Y

10. Tomonlari uzunliklari 25 va 16 sm bo'lgan to'g'ri to'rtburchak yuziga teng kvadratning perimetrini toping?

A)80 B)60 C)100 D)40

Variant 40

1. Agar $\frac{d}{c} = 5$ bo'lsa, $d^2 - 9c^2$ nimaga teng?

A) $5d^2$ B) -8 C) $16c^2$ D) $-9c^2$

2. $\sqrt{6} + \sqrt{6} + \sqrt{6}$ yig'indi quyidagilardan qaysi biriga teng?

A) $6\sqrt{3}$ B) 6 C) $\sqrt{54}$ D) $6\sqrt{4}$

3. Hisoblang.

$$\underbrace{2023 - 2023 + 2023 - 2023 + \dots + 2023 - 2023}_{2024\text{ta}}$$

A) 2023 B) 0 C) $2023 \cdot 2024$ D) 2024

4. 0, 1, 2, 3, 4, 5 raqamlardan jami nechta raqamlari takrorlanmaydigan 3 xonali sonlar tuzish mumkin?

A) 216 B) 125 C) 300 D) 100

5. Quyidagi mulohazalardan qaysi biri to'g'ri?

A) Manfiy ishorali noto'g'ri kasrning qiymati -1 dan katta bo'ladi.

B) Musbat ishorali noto'g'ri kasrning surat va maxrajini bir xil songa orttirganda kasrning qiymati ortadi.

C) Kasrlarni bo'lganda bo'linma noto'g'ri kasr bo'lsa, bo'luvchi kasr bo'linuvchi kasrdan katta bo'ladi.

D) Musbat ishorali to'g'ri kasrning surat va maxrajidan bir xil son ayrilganda kasrning qiymati kamayadi?

6. 2 ta oshqoshiq 480 so'm, 3 ta choyqoshiq 240 so'm turadi. Oshqoshiq choyqoshiqdan necha marta qimmat turadi?

A) 3marta

B) 2marta

C) 24marta

D) 8marta

7. Teng yonli va teng tomonli uchburchaklar bir xil perimetrga ega. Teng tomonli uchburchakning tomonlari 18 sm, teng yonli uchburchakning asosi esa 20 sm. Teng yonli uchburchakning yon tomonini toping.

A) 54

B) 17

C) 18

D) 36

8. $578 > 5 \cdot 8$ tengsizlik yulduzchaning nechta qiymatida o'rinli?

A) 7 ta

B) 8 ta

C) 6 ta

D) 5 ta

9. AB kesmada K nuqta olingan. Agar $AK = 29$ sm va AB kesma undan 5 marta uzun bo'lsa, KB kesma uzunligini toping.

A) 58

B) 145

C) 116

D) 87

10. Aralashma tarkibida 6 hissa oltin, 2 hissa mis bor. 120 gramm aralashmada qancha gramm oltin bor?

A) 80

B) 60

C) 90

D) 100

Variant 41

1. Teng yonli va teng tomonli uchburchaklar bir xil perimetrga ega. Teng tomonli uchburchakning tomonlari 16 sm, teng yonli uchburchakning asosi esa 22 sm. Teng yonli uchburchakning yon tomonini toping.

A)24 B)17 C)13 D)12

2. Daraja ko'rinishida yozing:

$$a \cdot b \cdot b \cdot b \cdot a \cdot a \cdot b \cdot a$$

A) $a^4 \cdot b^4$ B) $a^4 \cdot b^5$

C) $a^5 \cdot b^4$ D) $a^5 \cdot b^5$

3. Qaysi javob noto'g'ri?

A) $1 \text{ m}^2 = 10000 \text{ sm}^2$

B) $1 \text{ km}^2 = 1000000 \text{ m}^2$

C) $1 \text{ dm}^2 = 10000 \text{ sm}^2$

D) $1 \text{ sm}^2 = 100 \text{ mm}^2$

4. Yuzi 144π bo'lgan doira diametri qancha?

A)12 B)18 C)22 D)24

5. Qaysi javob noto'g'ri?

A) $15\frac{8}{11} = \frac{173}{11}$ B) $21\frac{7}{19} = \frac{406}{19}$

C) $17\frac{19}{24} = \frac{427}{24}$ D) $15\frac{13}{29} = \frac{438}{29}$

6. Hisoblang: $2\frac{8}{13} + 4\frac{11}{13} + 6\frac{7}{13}$

A) 12 B) 13 C) 14 D) $13\frac{12}{13}$

7. a , $a+4$, $a+6$, $a+12$, $a+16$ sonlari a ning qanday eng kichik natural qiymatida tub sonlar bo'ladi?

A) 1 B) 3 C) 5 D) 7

8. $17 < x < 40$ shartni qanoatlantiruvchi tub sonlar nechta?

A) 5 ta B) 6 ta C) 4 ta D) 7 ta

9. 3 ga, 4 ga, 5 ga bo'lganda 1 qoldiq qoladigan eng kichik natural sonni toping.

A) 51 B) 61 C) 71 D) 59

10. $\text{EKUB}(a;b)=7$ bo'lsa, $\frac{a}{b} = \frac{5}{6}$ tenglikdan $a+b$ ni toping.

A) 73 B) 75 C) 77 D) 79

Variant 42

1. $\frac{3}{7}$ ga teng bo'lmagan kasrni ko'rsating.

- A) $\frac{63}{147}$ B) $\frac{54}{126}$ C) $\frac{36}{84}$ D) $\frac{39}{81}$

2. Karim basketbol topini 30 marta otib 23 marta, Salim 24 marta otib 19 marta, Hakim esa 40 marta otib 31 marta to'rga tushirdi. Ularning qay birining natijasi yaxshiroq?

- A) Karim B) Hakim
C) Salim D) teng

3. Proporsiyaning chetki hadlari 8 va 15 ga teng. O'rta hadlaridan biri esa 6 ga teng bo'lsa, ikkinchisini toping.

- A) 9 B) 10 C) 20 D) 10,5

4. Arqon 3:5:7 nisbatda bo'lingan. Butun arqon uzunligi 45 metr bo'lsa, kichik bo'lak uzunligini toping.

- A) 9 B) 8 C) 6 D) 12

5. 40°C li 7 litr suvga 80°C li 3 litr suv qo'shilsa, aralashma harorati qancha bo'ladi?

- A) 50°C B) 51°C C) 52°C D) 53°C

6. Hisoblang: $4\frac{3}{19} + 5\frac{6}{19} + 6\frac{10}{19}$

- A) 15 B) 16 C) $15\frac{9}{19}$ D) $16\frac{9}{19}$

7. Diametri 27 bo'lgan aylana uzunligi qanchaga teng?

- A) 18π B) 36π C) 48π D) 27π

8. Eni 4sm, bo'yi 8 sm, balandligi 16sm bo'lgan to'g'ri burchakli parallelepipedga tengdosh kub qirrasiz uzunligi?

- A) 8 B) 12 C) 16 D) 24

9. 25975 sonning raqamlari joylarini almashtirib jami nechta har xil 5 xonali son hosil qilish mumkin?

- A) 120 B) 30 C) 100 D) 60

10. $(\alpha x - 2)(\beta x - 3)(x - \gamma) = 2x^3 - 3x^2 + 3x - 2$

ayniyat bo'lsa, $\alpha \cdot \beta \cdot \gamma$ ni toping.

- A) $\frac{12}{24}$ B) $\frac{15}{21}$ C) $\frac{4}{6}$ D) $\frac{3}{27}$

Variant 43

1. Radiusi 6sm bo'lgan aylana uzunligi qanchaga teng?

- A) 18π B) 12π C) 48π D) 27π

2. Tenglamani yeching.

$$(x+2x+3x+\dots+8x+9x):5=90$$

- A) 10 B) 8 C) 11 D) 7

3. Soddashtiring. $\frac{1,6^2-1,6\cdot 0,8+0,4^2}{1,4^2-0,2^2}$

- A) 1,6 B) 0,375 C) 0,75 D) 1,2

4. Hamma raqamlari juft bo'lgan nechta 6 xonali son bor?

- A) 2500 B) 12500 C) 7500 D) 12000

5. Hisoblang.

$$\underbrace{\frac{1}{2023} + \frac{1}{2023} + \dots + \frac{1}{2023} + \frac{1}{2023}}_{2023 \text{ ta}}$$

- A) 2023 B) $\frac{1}{2023}$ C) $\frac{1}{2023 \cdot 2023}$ D) $\frac{2023}{2023}$

6. Nechta natural sonning kvadrati 200 dan oshmaydi?

- A) 12ta B) 13ta C) 14ta D) 15ta

7. Bir tomoni 17sm, perimetri esa 120 sm bo'lgan to'g'ri to'rtburchak yuzini toping.

- A) 721 B) 741 C) 731 D) 711

8. O'lchamlari 5sm, 6sm, 7sm bo'lgan to'g'ri burchakli parallelepiped hajmini toping.

- A) $120sm^3$ B) $210sm^2$
C) $210sm^3$ D) $240sm^3$

9. $\frac{5}{17}, \frac{21}{19}, \frac{7}{23}, \frac{41}{41}, \frac{14}{15}, \frac{43}{70}$ kasrlardan nechitasi to'g'ri kasr?

- A) 4ta B) 5ta C) 6ta D) 3ta

10. Ikkita toq sonning yig'indisi 5 ga bo'linadi. Bu sonlar kublarining yig'indisi qanday raqam bilan tugaydi?

- A) 6 B) 5 C) 9 D) 0

Variant 44

1. Hisoblang: $189 \cdot 205 - 202 \cdot 191$

A)263 B)363 C)163 D)173

2. Agar $a = \frac{666}{222} + \frac{444}{111} - \frac{55}{11}$ va

$b = \frac{999}{333} + \frac{333}{111} - \frac{44}{11}$ ga teng bo'lsa, $\frac{a}{b} = ?$

A) $\frac{22}{23}$ B)10 C)T.J.Y D) $(\frac{1}{5})^0$

3. $\frac{98}{13426}$ quyidagi kasrning surati maxrajidan necha marta kichik-?

A)117 B)127 C)100 D)137

4. $4\frac{5}{8}$ aralash kasrni, noto'g'ri kasrga aylantiring.

A) $\frac{8}{37}$ B) $\frac{37}{8}$ C)4 D) $\frac{5}{8}$

5. 1 dan 95 gacha bo'lgan sonlarning ko'paytmasi nechta nol bilan tugaydi?

A)22 B)23 C)24 D)19

6. Turli raqamli nechta ikki xonali son bor?

A)65ta B)72ta C)81ta D)90ta

7. Quyidagi tasdiqlardan qaysilari to'g'ri?

1) Surati maxrajidan katta bo'lgan barcha kasrlar to'g'ri kasr xisoblanadi.

2) Natural sonlar 10 ta. Ular (0,1,2...8,9)

3) 1,3,5,7,8,9 sonlar toq sonlar xisoblanadi.

A)2,3 B)1,3 C)2 D)T.J.Y

8. Tomoni (x-3) sm ga teng bo'lgan kvadratning yuzi nimaga teng?

A)4(x-3) B) (x-3) C)(x-3)² D) S=a²

9. Tenglamani yeching: $\frac{x}{2} + \frac{x}{3} + 7 = 32$

A) $3^3 - 3$ B) $3^3 + 3$ C) $\frac{25}{32}$ D)T.J.Y

10. O'xshash xadlarni ixchamlang:

$22a - 51 + 41 - 15a + 20$

A)7a+10 B) 7a-10

C)112+7a D)7a+30

Variant 45

1. Qaysi javob noto'g'ri ?

A) $15\frac{8}{11} = \frac{173}{11}$

B) $21\frac{7}{19} = \frac{406}{19}$

C) $17\frac{19}{24} = \frac{427}{24}$

D) $15\frac{13}{29} = \frac{438}{29}$

2. Eni 4sm, bo'yi 8 sm, balandligi 16sm bo'lgan to'g'ri burchakli parallelepipedga tengdosh kub qirrasi uzunligini yarmi nechaga teng?

A)4 B)12 C)16 D)8

3. Qalam daftardan 6 marta arzon. Qalam uchun daftarga nisbatan 300 so'm kam to'landi. Daftar necha so'm turadi?

A)240so'm B)80 so'm

C)360so'm D)60so'm

4. To'g'ri burchakli parallelepipedning o'lchamlari 10sm, 15sm, 17sm. Uning hamma qirralari 4 sm dan uzaytirilsa, Parallelepipedning sirti yuzi qanchaga ortadi?

A)768sm² B)2550 sm²

C)575 sm² D)T.J.Y

5. $\frac{1}{1}; \frac{4}{8}; \frac{9}{27}; \dots$ ketma-ketlikning keyingi ikkita hadini yig'indisini toping.

A) $\frac{82}{136}$ B) $\frac{18}{40}$ C) $\frac{12}{128}$ D) $\frac{125}{348}$

6. Podadagi qo'ylarning oyoqlari soni boshlari sonidan 84 ta ko'p. Podada nechta qo'y bor?

A)84ta B)29ta C)33ta D)28ta

7. Hisoblang.

$$21 \cdot 17 - 18 \cdot 17 + 17 \cdot 15 - 15 \cdot 14 + 18 \cdot 13 - 15 \cdot 13$$

A)135 B)145 C)90 D)60

8. $x+y+z=148$ bo'lsa, $(2x+y)+(2y+z)+(x+2z)$ yig'indini hisoblang.

A)555 B)444 C)296 D)668

9. Qandaydir sonni 1995 ga bo'lganda 1994 qoldiq qoladi. Bu sonni 5 ga bo'lgandagi qoldiqni toping.

A)4 B)1 C)9 D)3

10. Tenglamani yeching.

$$((5x - 722) - 65) \cdot 20 = 4660$$

A)266 B)254 C)198 D)204

Variant 46

1. Do'konga 100 ta kitob keltirildi. Kun bo'yi ularning beshdan uch qismi sotildi. Shu kuni nechta kitob sotilgan?

A)80 B)60 C)20 D)25

2. 0,1,2,3 raqamlar yordamida jami nechta 4 xonali son tuzish mumkin?

A)6 B)24 C)120 D)192

3. $\frac{37}{4662}$ quyidagi kasrning surati maxrajidan necha marta kichik-?

A)117 B)126 C)100 D)137

4. Quyidagi tasdiqlardan nechitasi to'g'ri?

1) Surati maxrajidan katta bo'lgan barcha kasrlar to'g'ri kasr xisoblanadi.

2) Natural sonlar ∞ va ular $[0,1,2,3,4,.... \infty]$

3) 1,3,5,7,9 raqamlari bilan tugaydigan barcha sonlar toq sonlar xisoblanadi.

A)1 B)3 C)2 D)T.J.Y

5. Podadagi qo'ylarning oyoqlari soni boshlari sonidan 87 ta ko'p. Podada nechta qo'y bor?

A)84ta B)29ta C)33ta D)29ta

6. Soddashtiring. $\frac{1,6^2 - 1,6 \cdot 0,8 + 0,4^2}{1,4^2 - 0,2^2}$

A)1,6 B)0,375 C)0,75 D)1,2

7. EKUB(450;225;75)=?

A) 73 B) 77 C) 75 D) 79

8. Yuzi 144π bo'lgan doira diametri a ga teng bo'lsa, $a^3:144$ nechaga teng-?

A)102 B)24 C)122 D)96

9. Barcha juft sonlarning ko'paytmasi d raqami bilan tugasa, d^3 nimaga teng?

A)125 B)27 C)0 D)64

10. Hisoblang.

$2027 \cdot 2022 - 2026 \cdot 2019$

A) 90^2 B) 80^2 C) 810^2 D) 70^2

Variant 47

1. Hisoblang.

$$\frac{1}{12} + \frac{1}{20} + \frac{1}{30} + \frac{1}{42} + \dots + \frac{1}{182}$$

A) $\frac{11}{42}$ B) $\frac{12}{35}$ C) $\frac{15}{56}$ D) $\frac{1}{4}$

2. Agar $\frac{a-b}{b} = \frac{2}{3}$ va $\frac{b+c}{c} = \frac{8}{5}$ bo'lsa, $\frac{c}{a}$ ni toping.

A) 3 B) 0,9 C) 4 D) -1

3. Nisbatni toping.

$\frac{m, m+n, n+k, k+l, l}{m, n+n, k+k, l+l, m}$, bu yerda m, n, l, k lar noldan farqli raqamlar.

A) 1 B) 2 C) $\frac{15}{24}$ D) T.J.Y

4. Tenglamani yeching.

$$x + \frac{1}{1 + \frac{x+2}{x-2}} = \frac{12}{12x+7}$$

A) 24 B) -8 C) -12 D) 8

5. Agar $ax = by = cz = 6$ va $x + y + z = 36$ bo'lsa, $\frac{1}{a} + \frac{1}{b} + \frac{1}{c}$ ni toping.

A) 12 B) 6 C) 24 D) 36

6. Bog'bon bozorga bir qop yong'oq olib keldi. Bog'bon birinchi xaridorga barcha yong'oqlarning yarmini va yana 0,5kg yong'oq sotdi, ikkinchi xaridorga 1,5kg va qolgan yong'oqlarning yarmini sotdi, uchinchi xaridorga 1,5kg va qolgan yong'oqlarning yarmini sotdi. Shundan so'ng qopda 4 kg yong'oq qoldi. Dastlab bog'bon bozorga necha kg yong'oq olib kelgan?

A) 85kg B) 45kg C) 42kg D) 92kg

7. Sutkaning qolgan qismi o'tgan qismining 60% iga teng bo'lsa, hozir soat necha?

A) 11^{00} B) 13^{40} C) 17^{30} D) 15^{00}

8. Hisoblang.

$$2011 - 2010 + 2009 - 2008 + 2007 - \dots - 2 + 1$$

A) 1001 B) 1007 C) 1006 D) 1005

9. Hisoblang.

$$\frac{1}{15} + \frac{1}{35} + \frac{1}{63} + \frac{1}{99} + \frac{1}{143} + \frac{1}{195}$$

A) $\frac{2}{15}$ B) $\frac{11}{45}$ C) $\frac{4}{15}$ D) $\frac{3}{16}$

10. $a = \frac{1}{2b}$ bo'lsa, $a^2b^2 - ab + 1$ ifodaning qiyatini toping.

A) $\frac{3}{2}$ B) $\frac{3}{4}$ C) $\frac{2}{3}$ D) 2

Variant 48

1. Agar $x=71,8$ va $y=70,8$ bo'lsa,
 $x^3 - y^3 - 2y^2 - 3y - 1 + x^2 - 2xy$ ni
 hisoblang.

A)1 B)21 C)79 D)92,1

2. 25975 sonning raqamlari joylarini
 almashtirib jami nechta har xil 5 xonali
 son hosil qilish mumkin?

A)120 B)30 C)100 D)60

3. Hisoblang: $\frac{3^{50}+3^{49}+3^{48}}{3^{48}+3^{47}+3^{46}} - \frac{2^{30}-2^{29}}{2^{26}}$

A) $\frac{23}{37}$ B) $\frac{23}{27}$ C) $\frac{24}{37}$ D) $\frac{27}{27}$

4. $x - 2y$, 2 , $x + 2y$ va 5 sonlari
 proporsiyaning ketma-ket hadlari
 bo'lsa, $\frac{x^2-y^2}{xy}$ ni hisoblang.

A) $4\frac{19}{42}$ B) $\frac{19}{42}$ C) $3\frac{19}{42}$ D) $2\frac{17}{32}$

5. Hisoblang.

$$(5^4 + 1)(5^8 + 1)(5^{16} + 1)(5^{32} + 1) - \frac{1}{624} \cdot 5^{64}$$

A) $\frac{1}{256}$ B) $-\frac{1}{624}$ C) $\frac{5^{64}}{624}$ D) $\frac{576}{625}$

6. Hisoblang.

$$2015 \cdot \frac{2015}{2016} + 2016 \cdot \frac{2016}{2017} - \frac{4033}{2016 \cdot 2017}$$

A)3029 B)2016³ C)5049 D)4029

7. Uchburchak burchaklari α, β, γ uchun
 $\alpha = \frac{\beta+\gamma}{2}$ tenglik o'rinli bo'lsa, α
 burchakning kattaligini toping.

A)30° B) 60° C) 120° D) 90°

8. Hisoblang:

$$\left(7 - \frac{70}{1}\right) \cdot \left(7 - \frac{70}{2}\right) \cdot \left(7 - \frac{70}{3}\right) \cdot \dots \cdot \left(7 - \frac{70}{70}\right)$$

A)0 B)80 C)T.J.Y D)64

9. Agar $3^{f(x)} = x^2$ bo'lsa, $f(81)$
 qiymatini toping.

A)2 B)6 C)4 D)8

10. Agar $x^2-5x+2=0$ bo'lsa, $\frac{x^4+4x^2+4}{2x^2}$
 ning qiymatini toping.

A)12,5 B)0,5 C)8,6 D)5,5

Variant 49

1. Hisoblang:

$$\left(8 - \frac{80}{1}\right) \cdot \left(8 - \frac{80}{2}\right) \cdot \left(8 - \frac{80}{3}\right) \cdot \dots \cdot \left(8 - \frac{80}{80}\right)$$

A)0 B)80 C)T.J.Y D)64

2. Agar $3^{f(x)} = x^2$ bo'lsa, $f(27)$ qiymatini toping.

A)2 B)6 C)4 D)8

3. $y=3x-2$ to'g'ri chiziqning OX o'qiga nisbatan simmetrigini toping.

A) $y=x-2$ B) $y=2-3x$

C) $y=3x+2$ D) $y=-3x-2$

4. $P(x)=(x^2 - 4x + d)^3$ ko'phadning koeffitsiyentlar yig'indisi 64 ga teng bo'lsa, d-ning qiymatini toping.

A)4 B)0 C)-6 D)7

5. Hisoblang. $c_5^3 + c_7^2$

A)11 B)21 C)31 D)41

6. 7^* ko'rinishidagi ikki xonali sonda „*” o'rniga qaysi raqamlar qo'yilsa, tub son hosil bo'ladi?

A) 1,5,9 B) 1,3,9

C) 5,7,9 D) 3,7,9

7. $EKUB(30;45;135)=?$

A) 5 B) 3 C) 15 D) 30

8. 3 ga, 4 ga, 5 ga bo'lganda 1 qoldiq qoladigan eng kichik natural son a ga teng bo'lsa, $a \cdot 2 = ?$

A) 102 B) 122 C) 142 D) 118

9. 3,5 kg olma 21000 so'm tursa, xuddi shunday 8 kg olma qancha turadi?

A) 42000 B) 45000

C) 48000 D) 52000

10. Hisoblang.

$$8 + 3 \cdot 2^2 \cdot 3 + 3 \cdot 2 \cdot 3^2 + 27$$

A)125 B)164 C)192 D)115

Variant 50

1. Hisoblang.

$$4^3 + 3 \cdot 16 \cdot 6 + 3 \cdot 4 \cdot 36 + 6^3$$

A)1000 B)256 C)900 D)1110

2. Ifodani soddalashtiring.

$$(x^2 + 1)^3 - 3(x^2 - 1)^2 - x^2(x^4 + 9)$$

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

3. $m = \frac{1317}{1318}$ va $n = \frac{1318}{1319}$ sonlarni taqqoslang.

A) $m > n$ B) $m < n$ C) $m = n + 1$ D) $n = m + 1$

4. Radiusi 8sm bo'lgan aylana uzunligining yarmi qanchaga teng?

A) 18π B) 8π C) 48π D) 27π

5. Kvadratlar ayirmasi to'g'ri berilgan javobni belgilang.

A) $(a - b)^2 = a^2 - 2ab + b^2$

B) $a^2 - b^2 = (a - b) \cdot (a - b)$

C) $a^2 - b^2 = (a - b) \cdot (a + b)$

D) $(a - b)^3 = a^3 - 3a^2b + 3ab^2 - b^3$

6. $y = 3x - 2$ to'g'ri chiziqning OY o'qiga nisbatan simmetrigini toping.

A) $y = x - 2$ B) $y = 2 - 3x$

C) $y = 3x + 2$ D) $y = -3x - 2$

7. $\begin{cases} x + 2y = 0 \\ x - 2y = 2 \end{cases}$ bo'lsa, $x + y$ ni toping.

A)1,5 B)2,5 C)-0,5 D)0,5

8. Hisoblang. $\frac{2^{17} \cdot 3^{41}}{2^{15} \cdot 3^{39}}$

A)36 B)32 C)54 D)9

9. $15 \cdot 8 \cdot 50 \cdot 27 \cdot 14 \cdot 125$ ko'paytma nechta nol bilan tugaydi?

A)3 B)8 C)5 D)6

10. n natural son bo'lib, $5n + 6$ juft bo'lsa, quyidagilardan qaysi biri toq?

A) $n + 2$ B) $7n + 5$ C) $n^3 + 4$ D) $n^3 + n$

Testlarning kalitlari:

1-Variant

1a 2d 3a 4c 5b 6a 7b 8d 9c 10a

2-Variant

1b 2a 3b 4a 5d 6b 7b 8d 9c 10d

3-Variant

1a 2b 3b 4a 5b 6c 7b 8d 9a 10a

4-Variant

1c 2d 3b 4a 5b 6c 7b 8d 9a 10b

5-Variant

1d 2b 3d 4a 5a 6b 7d 8b 9c 10a

6-Variant

1b 2b 3a 4d 5b 6d 7d 8d 9d 10a

7-Variant

1c 2b 3c 4d 5c 6a 7d 8a 9d 10c

8-Variant

1b 2a 3c 4d 5b 6a 7a 8c 9c 10b

9-Variant

1b 2d 3a 4a 5c 6d 7a 8b 9c 10d

10-Variant

1b 2c 3d 4b 5a 6b 7c 8b 9d 10d

11-Variant

1c 2b 3d 4a 5a 6a 7a 8c 9d 10c

12-Variant

1a 2d 3b 4c 5a 6d 7a 8c 9d 10d

13-Variant

1b 2a 3d 4b 5b 6a 7d 8a 9c 10b

14-Variant

1b 2d 3c 4a 5d 6c 7c 8c 9a 10b

15-Variant

1d 2b 3d 4c 5a 6b 7d 8a 9b 10d

16-Variant

1c 2b 3d 4c 5a 6b 7d 8a 9c 10c

17-Variant

1c 2a 3d 4c 5d 6b 7d 8b 9a 10c

18-Variant

1a 2a 3b 4a 5d 6a 7c 8b 9d 10a

19-Variant

1c 2d 3b 4d 5a 6b 7d 8a 9b 10d

20-Variant

1c 2a 3d 4a 5c 6b 7b 8a 9d 10a

21-Variant

1b 2a 3c 4b 5d 6d 7a 8d 9b 10d

22-Variant

1b 2a 3b 4d 5c 6d 7b 8d 9c 10d

23-Variant

1c 2a 3b 4a 5d 6b 7a 8c 9d 10c

24-Variant

1a 2a 3a 4c 5c 6c 7d 8d 9d 10d

25-Variant

1b 2d 3c 4a 5a 6b 7d 8d 9c 10a

26-Variant

1c 2c 3a 4c 5d 6d 7a 8b 9d 10a

27-Variant

1a 2c 3a 4b 5d 6a 7c 8a 9a 10c

28-Variant

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1a 2a 3c 4d 5b 6a 7b 8d 9a 10a

29-Variant

1d 2c 3a 4b 5a 6a 7b 8a 9c 10d

30-Variant

1a 2b 3d 4a 5b 6a 7c 8c 9c 10d

31-Variant

1c 2a 3d 4d 5c 6d 7a 8d 9c 10b

32-Variant

1d 2a 3d 4c 5c 6b 7a 8c 9b 10d

33-Variant

1b 2b 3a 4a 5d 6d 7c 8a 9c 10b

34-Variant

1a 2c 3b 4a 5b 6c 7a 8d 9a 10c

35-Variant

1b 2c 3d 4a 5a 6b 7d 8a 9b 10a

36-Variant

1a 2d 3a 4b 5d 6c 7a 8c 9c 10d

37-Variant

1c 2c 3b 4a 5d 6a 7d 8b 9d 10c

38-Variant

1a 2c 3c 4a 5c 6a 7d 8b 9d 10b

39-Variant

1c 2b 3d 4a 5c 6a 7c 8b 9d 10a

40-Variant

1c 2c 3b 4d 5d 6a 7b 8a 9c 10c

41-Variant

1c 2a 3c 4d 5d 6c 7d 8a 9b 10c

42-Variant

1d 2c 3c 4a 5c 6b 7d 8a 9d 10c

43-Variant

1b 2a 3c 4b 5d 6c 7c 8c 9a 10d

44-Variant

1c 2d 3d 4b 5a 6c 7d 8c 9b 10a

45-Variant

1d 2a 3c 4a 5b 6d 7a 8b 9a 10d

46-Variant

1b 2d 3b 4a 5d 6c 7c 8d 9c 10a

47-Variant

1a 2b 3a 4c 5b 6c 7d 8c 9a 10b

48-Variant

1a 2d 3d 4a 5b 6d 7b 8a 9d 10a

49-Variant

1a 2b 3b 4d 5c 6b 7c 8b 9c 10a

50-Variant

1a 2d 3b 4b 5c 6d 7d 8a 9c 10b