

Test

1. $\frac{6x+2}{4} + \frac{2x+3}{2} - 2,5x + 2 = 4$ tenglamani bajaring.

- A) yechimi yo`q B) cheksiz ko`p yechimga ega
C) -10 D) 10

2. $\frac{24}{1 + \frac{2}{2 - \frac{1}{5}}}$ ning qiymatini toping. A) 1/9 B) -9 C) 2/9 D) 9

3. $\begin{cases} \frac{x-y}{3} = \frac{x+y}{5} \\ 3x - 8y = 8 \end{cases}$ bo`lsa, y ning qiymatini toping.
A) 2 B) 3 C) 8 D) 26

4. 1, 2, 3, 4 raqamlaridan foydalanib 400 dan kichik nechta uch xonali son yasash mumkin? A) 48 B) 36 C) 30 D) 60

5. Bir mahsulotning narxi 10% pasaydi, ma`lum vaqtdan so`ng 15% ga pasaydi. Shu mahsulotning narxi umumiy nechafoizga kamaygan? A) 23,5 B) 22,5 B) 24,5 D) 25

6. Yo`lovchi poyezdi bir shahardan 50 km/h tezlik bilan yo`lga chiqdi. 3 soat o`tib elektropoyezd 80 km/h tezlik bilan yo`lga chiqdi. Elektropoyezd yo`lovchi poyezdga qancha vaqtda yetib oladi? A) 6 B) 5 C) 4 D) 3 soat

7. 444...4 sonida 4 raqami 49 marta qatnashadi. Shu sonni 9 ga bo`lgandagi qoldiqni toping. A) 3 B) 4 C) 6 D) 7

8. G`orning 7 ta eshigi bor, sayyoh bu g`orga necha usulda kirib, yana qaytib chiqishi mumkin? (Bunda har bir eshikdan faqat bir marta o`tish mumkin) A) 49 B) 42 C) 36 D) 7⁷

9. Yo`lovchi butun yo`lning 46% ini yurgandan so`ng 372,6 km yo`l qoldi. Dastlab yo`l necha km bo`lgan? A) 600 B) 650 C) 690 D) 700

10. 18 ta ishchi ma`lum ishni 24 kunda bajaradi. Xuddi shunday ishni 12 ta ishchi necha kunda bajaradi? A) 16 B) 20 C) 36 D) 30

11. $\frac{25^5 + 25^6 + 25^7}{5^6 + 5^8 + 5^{10}}$ ni hisoblang. A) 25 B) 125 C) 625 D) 3125

12. 3 traktor 2 kunda 90 l yonlig`i sarflasa, 2 traktor 5 kunda qancha yonlig`i sarflaydi? A) 100 B) 120 C) 160 D) 150

13. $\frac{21^3 + 19^3}{7^2 - 3^2} - 21 \cdot 19$ ning qiymatini toping.
A) 9 B) 27 C) 7 D) 4

14. 7 ta sonning o`rta arifmetigi 13 ga teng. Bu sonlarga qaysi son qo`shilsa, ularning o`rta arifmetigi 18 bo`ladi? A) 50 B) 53 C) 56 D) 45

15. Merganning nishonga tekkizish ehtimoli 0,8 ga teng. U nishonga 3 marta o`q uzganda barcha o`qlari nishonga tegishining ehtimolligini toping.
A) 0,512 B) 0,72 C) 0,8 D) 0,912

16. $\frac{4a^2 - 16a + 16}{a+3} : \frac{(a-2)^2}{-a^2+9}$ ifodani soddalashtiring.
A) 4a-12 B) 2a-12 C) 12-4a D) 6-2a

17. Hisoblang: $2,6 \cdot 7,7 + 2,6 \cdot 3,8 + 2,4 \cdot 16,2 - 4,7 \cdot 2,4$
A) 55,5 B) 57,5 C) 52,5 D) 2,3

18. $(8\frac{5}{14} - x) \cdot 2\frac{1}{3} = 8\frac{1}{6}$ tenglamani bajaring.
A) 7/34 B) 34/7 C) 18/17 D) 17/18

19. $2\frac{1}{7} : \frac{3}{28} = 3\frac{1}{3}x$: 1,5 proporsiyaning noma`lum hadini toping. A) 8 B) 9 C) 10 D) 12

20. Uchta sonning yig`indisi 96 ga teng. Birinchi son ikkinchi son dan 3 marta katta, ammo uchinchisidan 4 marta kichik. Shu sonlardan kattasini toping.
A) 18 B) 72 C) 48 D) 36

21. Bir son ikkinchisidan 1250 taga ortiq. Katta sonni kichigiga bo`lsak, bo`linma 3, qoldiq 226 ga teng bo`ldi. Shu sonlardan kichigini toping.
A) 256 B) 512 C) 1024 D) 756

22. Kasr musbat to`g`ri kasr bo`lishi uchun a ning nechta $\frac{a-3}{3}$ qiymati bor A) 1 B) 2 C) 3 D) 4

23. $\frac{99 \cdot 35 \cdot 140 \cdot 28}{7 \cdot 30 \cdot 165 \cdot 315}$ ning qiymatini toping.
A) 28/135 B) 56/135 C) 56/45 D) 28/45

24. $(-4)^3 - (-3)^2$ ning qiymatini toping.
A) 64 B) -55 C) -64 D) -73

25. $\frac{x-1}{2} - \frac{x+2}{5} = 4 - \frac{3x+2}{5}$ tenglamani bajaring.
A) 4 B) 5 C) 6 D) 7

26. $\frac{16 - 0,36^2}{1,4 \cdot 4,12 - 1,52 \cdot 1,4}$ ning qiymatini toping.
A) 3,64 B) 4,36 C) 2,36 D) 2,6

27. $\frac{2x+7}{x^2-2x-3} = \frac{A}{x-3} + \frac{B}{x+1}$ bo`lsa, A+B ni toping.
A) -3 B) 2 C) 0 D) 1

28. $\begin{cases} 2x + ay = a + 2 \\ (a+1)x + 2ay = 2a + 4 \end{cases}$ a ning qanday qiymatida tenglamalar sistemasi cheksiz ko`p ildizga ega.
A) 3 B) 4 C) 2 D) 1

29. $(9 \cdot 3^{-2} + 4 \cdot 0,4^{-2}) : (10^0 + \frac{1}{12})$ ni hisoblang.
A) 12 B) 24 C) 13 D) 26

30. Agar $x=y+4$ bo`lsa, $\frac{x^2+3y-3x-xy}{2x-6}$ ifodaning qiymatini toping. A) 1,8 B) 2,5 C) 1 D) 2

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|----|---|----|---|
| 1 | B | 17 | B |
| 2 | D | 18 | B |
| 3 | A | 19 | B |
| 4 | A | 20 | B |
| 5 | A | 21 | B |
| 6 | B | 22 | B |
| 7 | D | 23 | C |
| 8 | B | 24 | D |
| 9 | C | 25 | B |
| 10 | C | 26 | B |
| 11 | C | 27 | B |
| 12 | D | 28 | A |
| 13 | D | 29 | B |
| 14 | B | 30 | D |
| 15 | A | | |
| 16 | C | | |

