

1. Bug'doydan 80 % un olinadi. 52 kg bugdoydanqancha un olish (kg) mumkin? A) 41,5 B) 40,5 C) 41,6 D) 40,6

2. $13 + \frac{13}{2-x} \leq 0$ bo'lsa, tengsizlikni bajaring.

A) (-2;13] B) (2;13) C) (2;3) D) (2;3]

3. $(13-x)(4+x)(2x+5) > 0$ tengsizlikning nechta natural yechimi bor. A) 12 B) 13 C) 14 D) 11

4. 12 va 39 sonlarining har birini qanday songa oshirsak, birinchisi ikkinchisining 50 % iga teng bo'ladi?

A) 12 B) 15 C) 16 D) 20

5. Agar $a+b=3$ va $ab=-1$ bo'lsa, $a^2b^4+a^4b^2$ ni hisoblang.

A) 12 B) 11 C) 18 D) 13

6. $\frac{4}{5} + \frac{1-\frac{3}{4}}{1-\frac{1}{4}} - \left(2\frac{1}{5} - \frac{2}{5}\right)$ ning qiymatini toping.

A) -4/5 B) 1/5 C) 8/5 D) -8/5

7. 96 sonining natural bo'luvchilari yig'indisini toping.

A) 120 B) 124 C) 160 D) 252

8. $\frac{x+2}{x} \cdot \frac{1}{1-\frac{4}{x^2}}$ ifodani soddalashtiring

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

9. 20 kg eritmaning 10% i tuzdan iborat. Tuz miqdori 8% bo'lishi uchun unga qancha kg chuchuk suv qo'shish kerak?

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

10. $(1-2a)^2 - (1+2a)(2a-1)$ ni soddalashtiring.

A) $-2a+2$ B) $8a^2$ C) $8a^2-4a$ D) $4a^2-2a$ E) $-4a+2$

11. m ning qanday qiymatida $\frac{6x-m}{2} = \frac{7mx+1}{3}$ tenglama ildizi nolga teng bo'ladi A) -3/2 B) -1/3 C) -2/3 D) 0,5 E) 0,8

12. Agar $x^2+y^2=281$ va $x-y=\sqrt{201}$ bo'lsa, xy ko'paytmaning qiymatini toping. A) -80 B) -160 C) 80 D) 40 E) 160

13. Ikki sonning nisbati 7:9 kabi. Agar ularning eng katta bo'luvchisi 6 ga teng bo'lsa shu sonlarni yig'indisini toping.

A) 96 B) 48 C) 72 D) 64

14. $a-b=3$ va $ab=5$ bo'lsa, a^3-b^3 ning qiymatini toping.

A) 18 B) 20 C) -18 D) 72

15. $7,2(1)-4,4(2)+31/90$ ning qiymatini toping.

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

16. Do'kon 3 kunda jami 175 kg kartoshka sotdi. Agar ikkinchi kun uchunchi kunga nisbatan 1,5 marta ko'p, birinchi kun esa ikkinchi kunga nisbatan 2,4 marta kam kartoshka sotgan bo'lsa, do'kon birinchi kun necha kilogramm kartoshka sotgan? A) 35 B) 44 C) 56 D) 27

17. $\frac{5x+8}{4-x} < 2$ tengsizlikni bajaring.

A) $(-\infty; 0) \cup (4; \infty)$ B) $(-\infty; -4) \cup (0; 4)$
C) $[-4; 4]$ D) \emptyset E) $(-\infty; \infty)$

18. 243^{521} sonning birlar xonasidagi raqamini toping

A) 1 B) 9 C) 7 D) 3

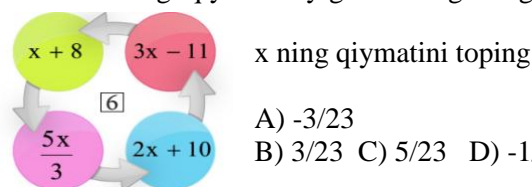
19. Demirning hozirgi yoshi 4 yildan keyingi yoshidan 3 marta kichik bo'lsa uning ikki yildan keyingi yoshini toping

A) 3 B) 4 C) 6 D) 8

20. Sinfidagi o'quvchilarning 20 % qizlar bo'lib, ular og'il bolalardan 12 ta kam bo'lsa, sinfda nechta o'quvchi bor.

A) 20 B) 10 C) 15 D) 40

21. Doiralardagi qiymatlar yig'indisi 6 ga teng bo'lsa,



A) -3/23

B) 3/23 C) 5/23 D) -1/23

22. Xaritaning masshtabi 1:50000 ga teng. Agar daryoning ikki sohili orasidagi masofa 200 m bo'lsa, xaritada bu masofa necha mm ga teng bo'ladi A) 0,4 B) 4 C) 40 D) 1

23. 10 ga bo'lganda 3 qoldiq qoladigan raqamlari takrorlanmaydigan 3 xonali sonlar nechta.

A) 120 B) 84 C) 64 D) 75

24. Agar $5537a2$ soni 18 ga qoldiqsiz bo'linsa, a ning qiymatini toping. A) 1 B) 5 C) 3 D) 7

25. Agar $m:n:p=1:3:5$ va $2n-m+3p=60$ bo'lsa, n ning qiymatini toping. A) 3 B) 15 C) 9 D) 21

26. $3n+1$ sonining 60%i 51 ga teng bo'lsa, n ning qiymatini toping. A) 26 B) 27 C) 28 D) 29

27. $\begin{cases} \frac{x-2}{4} \leq \frac{x+3}{5} \\ \frac{x+5}{4} \geq \frac{x-3}{7} \end{cases}$ tengsizlikning nechta butun yechimi bor

A) cheksiz ko'p

B) 38

C) 40

D) 25

28. $\frac{(x-1)(3-x)}{x(4-x)} \geq 0$ tengsizlikni bajaring.

A) $[0; 1) \cup [3; 4]$ B) $(0; 1] \cup [3; 4)$

C) $(0; 1] \cup (3; 4)$ D) $(-\infty; 0) \cup [1; 3] \cup (4; \infty)$

29. $\frac{3-x}{5x} + \frac{5+x}{6x} = \frac{1-23x}{8x}$ tenglamani bajaring.

A) 7 B) -1/7 C) 1/7 D) 3,5

30. $\left(\frac{3}{0,(4)} + \frac{3}{0,(6)} + \frac{3}{0,(8)} + 1,375\right)$ ning qiymatini toping.

A) 2 B) 16 C) 4 D) 8

31. Tuyaning chanqoq holatidagi og'irligining 84 % suvdan iborat. Suv ichganidan keyin uning og'irligi 800 kg va og'irligining 85 % suvdan iborat bo'ldi. Tuyaning chanqoq vaqtidagi massasi qancha. A) 720 B) 715 C) 750 D) 680

32. $\frac{5(a-b)}{3(a^2+b^2)} : \frac{a^2-b^2}{(a+b)^2-2ab}$ ning qiymatini soddalashtiring

A) $\frac{5}{3(a+b)}$ B) $-\frac{5}{3(a+b)}$ C) $\frac{5}{3(a-b)}$ D) $-\frac{5}{3(a-b)}$

1	C	17	A
2	D	18	D
3	A	19	B
4	B	20	A
5	B	21	A
6	A	22	B
7	D	23	C
8	B	24	B
9	C	25	C
10	C	26	C
11	C	27	B
12	D	28	D
13	A	29	C
14	D	30	B
15	A	31	C
16	A	32	A

