

Milliy Sertifikat testlarida tushadigan 1-savollar jamlanmasi №1

1. a raqamning nechta qiymatida $\overline{9a52b}$ soni 12 ga qoldiqsiz bo'linadi.

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

2. $\overline{3xy4} \cdot \overline{xyz} - \overline{1xy4} \cdot xyz = 690000$ bo'lsa, $x+y+z$ ning qiymatini toping.

- A) 15
- B) 17
- C) 19
- D) 12

3. Agar a, b, c lar turli xil raqamlar bo'lsa, $2a-3b+5c$ sonning eng katta qiymatini toping.

- A) 56
- B) 46
- C) 48
- D) 61

4. Natural a va b sonlar uchun $a+b=111$ tenglik bajarilsa, $ab-1$ ayirmaning eng katta qiymatini toping.

- A) 2555
- B) 3079
- C) 110
- D) 1

5. Beh xonali $\overline{2x78y}$ son 72 ga qoldiqsiz bo'linsa, $xy-3y$ ni hisoblang.

- A) 20
- B) 15
- C) 12
- D) 10

6. Agar $n^3 = 48 \cdot m$ va $m, n \in N$ bo'lsa, $m+nyig'$ indining eng kichik qiymatini toping.

- A) 24
- B) 36
- C) 48
- D) 54

7. Agar $n \in N, (48+n)$ biror sonning kvadrati bo'lsa, $n+13$ ning eng kichik qiymatini toping.

- A) 1
- B) 14
- C) -44
- D) 29

8. Ketma-ket kelgan a, b, c tub sonlar yig'indisi javonlarning qaysi biriga teng bo'la olmaydi?

- A) 15
- B) 23
- C) 31
- D) 21

9. Uch xonali $\overline{ab5}$ soni bilan $\overline{5ba}$ sonlari orasidagi farq 198 bo'lsa, $a+b$ ning eng kichik qiymatini toping.

- A) 14
- B) 2
- C) 3
- D) 7

10. a va b natural sonlar uchun $96 \cdot a^2 = b^3$ tenglik o'rinli bo'lsa, $a+b$ yig'indining eng kichik qiymatini toping.

- A) 13
- B) 36
- C) 18
- D) 24

11. $a, b, c \in N$ sonlari uchun $29a + 30b + 31c = 366$ tenglik o'rinli bo'lsa, $3a + 2b + c$ ning qiymatini toping.

- A) 16
- B) 17
- C) 18
- D) 20

12. $m, n \in N$ lar uchun $(m!)^{n!} - (n!)^{m!} = 28$ bo'lsa, $m-n$ ni toping.

- A) 1
- B) -1
- C) 5
- D) 6

13. a va b natural sonlar uchun $a \cdot b = 30$ bo'lsa, $a + 2b - 1$ ifodaning **eng kichik** qiymatini toping.

- A) 16
- B) 15
- C) 12
- D) 31

14. a va b natural sonlar uchun $a \cdot b = 24$ bo'lsa, $a + 2b - 1$ ifodaning **eng katta** qiymatini toping.

- A) 25
- B) 30
- C) 10
- D) 48

15. $\overline{2457a}$ soni 3 ga qoldiqsiz bo'lsa, a raqamining qabul qilishi mumkin bo'lgan barcha qiymatlari yig'indisini toping.

- A) 3
- B) 6
- C) 9
- D) 18

16. a, b, c -turli raqamlar bo'lsa, $100a + 10b + c$ ning **eng katta** qiymatini toping.

- A) 897
- B) 987
- C) 999
- D) 998

17. $\overline{2023ab}$ ko'rinishidagi nechta son 36 ga qoldiqsiz bo'linadi.

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

18. $a + b - c = 20$ bo'lsa, $200 - 5a - 5b + 5c$ ning qiymatini toping?

- A) 100
- B) 120
- C) 150
- D) 90

19. $\overline{4a2b}$ ko'rinishidagi nechta son 44 ga qoldiqsiz bo'linadi.

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

20. $a+b+c=25$ bo'lsa, $50-2a-2(b+c)$ ning qiymatini toping.

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

21. x va y natural sonlar uchun $x+y=19$ bo'lsa, xy ko'paytmaning eng katta qiymatini toping.

- A) 80
- B) 84
- C) 90
- D) 100

22. a, b, c raqamlar uchun $\overline{abc} < 875$ tengsizlik o'rinli bo'lsa, $a+b+c$ ning **eng katta** qiymatini toping.

- A) 24
- B) 23
- C) 25
- D) 26

23. a, b, c raqamlar uchun $\overline{abc} > 891$ tengsizlik o'rinli bo'lsa, $a+b+c$ ning **eng kichik** qiymatini toping.

- A) 8
- B) 9
- C) 10
- D) 19

24. Besh xonali $\overline{4abcd}$ soni 5 ga qoldiqsiz bo'linsa $a+b+c+d$ ning eng katta qiymatini toping.

- A) 22
- B) 27
- C) 32
- D) 36

25. Eng katta to'rt xonali juft sonning raqamlari yig'indisini toping.

- A) 22
- B) 34
- C) 35
- D) 36

26. O'ngdan chapga, chapdan o'ngga bir xil o'qiladigan 3 xonali sonlar nechta?

- A) 10
- B) 81
- C) 90
- D) 110

27. a va b natural sonlar uchun $(3a+7)(2b-3)=19$ tenglik o'rinli bo'lsa, b ning qiymatini toping.

- A) 1
- B) 2
- C) 6
- D) 11

28. a, b, c, d raqamlar uchun $\overline{a2b} + \overline{c4d} = 1272$ bo'lsa, $\overline{cb} + \overline{ad}$ yig'indini toping.

- A) 120
- B) 122
- C) 132
- D) 142

29. x va y raqamlar uchun $\overline{xy} = 2(x+y)-1$ bo'lsa, $x-y$ ning qiymatini toping.

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

30. Turli raqamlardan tashkil topgan olti xonali $\overline{abcdef}$ soni 6 ga bo'linsa, $\frac{a+b+c+d+e+f}{f}$ ifodaning eng katta qiymatini toping.

- A) 23,5
- B) 9,75
- C) 18
- D) 18,5

Javoblari

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

