

Mathematics

1) $100 \div 4 - 3 \cdot (3 - 4) + 2 = ?$

- A) 20 B) 25 C) 30 D) 35

2) $13^m = 12^m + 5^m \rightarrow m = ?$

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

3) $\frac{3}{8} + (\frac{1}{6} - \frac{1}{4}) = ?$

- A)
- $\frac{7}{12}$
- B)
- $\frac{7}{24}$
- C)
- $\frac{10}{24}$
- D)
- $\frac{12}{36}$

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

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

5) $\frac{7}{12} - \frac{1}{6} \div 2 = ?$

- A)
- $\frac{5}{24}$
- B)
- $\frac{1}{12}$
- C)
- $\frac{1}{6}$
- D)
- $\frac{1}{2}$

6) $5.3 - 3.07 + 2.21 = ?$

- A) 2.45 B) 3.44 C) 4.44 D) 4.45

7) $15 \div 0.03 = ?$

- A) 500 B) 450 C) 350 D) 200

8) $(-1)^{100} + (-1)^{101} + (-1)^{102} = ?$

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

9) $7 + x = 2 - 6x \rightarrow x = ?$

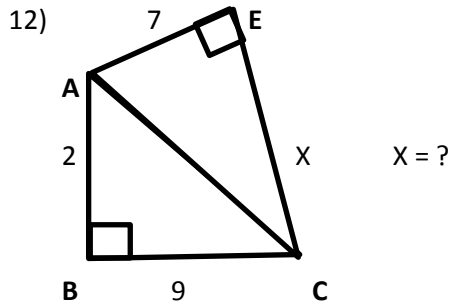
- A)
- $\frac{5}{7}$
- B)
- $-\frac{5}{7}$
- C) 1 D) 0

10) $\sqrt{3} - 2\sqrt{12} + 3\sqrt{27} = ?$

- A)
- $-\sqrt{3}$
- B)
- $2\sqrt{3}$
- C)
- $6\sqrt{3}$
- D)
- $6\sqrt{5}$

11) $\sqrt{0.50} = ?$

- A)
- $\frac{1}{2}$
- B)
- $\frac{\sqrt{2}}{2}$
- C)
- $\frac{\sqrt{5}}{10}$
- D) 1



- A) 11 B) 9 C) 7 D) 6

13) $(2x + 3)^2 - (2x - 3)^2 = ?$

- A) 24x B) 20x C) 24 D) x

14) $\frac{(x+y)^2 - 1}{(x+1)^2 - y^2} = ?$

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

15) $9x^2 - 24xy + 16y^2 = ?$

- A)
- $(9x+4y)^2$
- B)
- $(3x-4y)^2$
-
- C)
- $(3x+4y)^2$
- D)
- $(3x-2y)^2$

16) $\frac{2x-1}{3} - \frac{x+1}{6} = 1$

X = ?

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

17) $9^{2x} = 27^4 \rightarrow x = ?$

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

18) $11^6 + 4 \cdot 11^6 + 6 \cdot 11^6 = ?$

- A) 11^4 B) 11^5 C) 11^6 D) 11^7

19) $\frac{2x^2 - 10x}{x^2 - 5x} = ?$

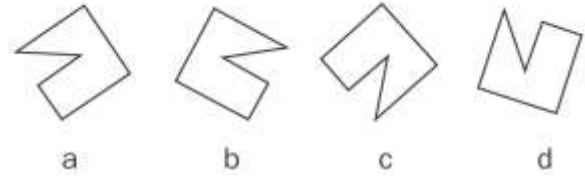
- A) $5x^2$ B) $2x^2$ C) $2x$ D) 2

20) $4 < 2x + \frac{x-2}{3}$

- A) $x < 2$ B) $x < -2$ C) $2 < x$ D) $-2 < x$

21. Cila nga të mëposhtmet është ndryshe nga të tjerat?

Aşağıdakilerden hangisi diğerlerinden farklıdır?



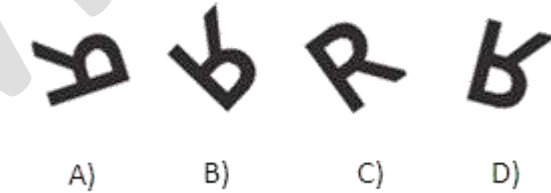
22. Cila nga të mëposhtmet është ndryshe nga të tjerat?

Aşağıdakilerden hangisi diğerlerinden farklıdır?



23. Cila nga të mëposhtmet është ndryshe nga të tjerat?

Aşağıdakilerden hangisi diğerlerinden farklıdır?



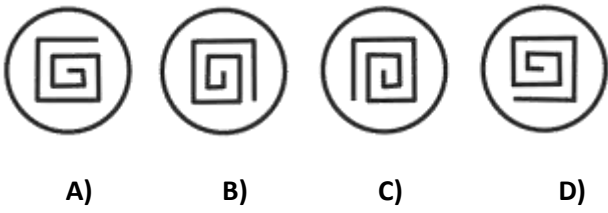
24. Cila nga të mëposhtmet është ndryshe nga të tjerat?

Aşağıdakilerden hangisi diğerlerinden farklıdır?

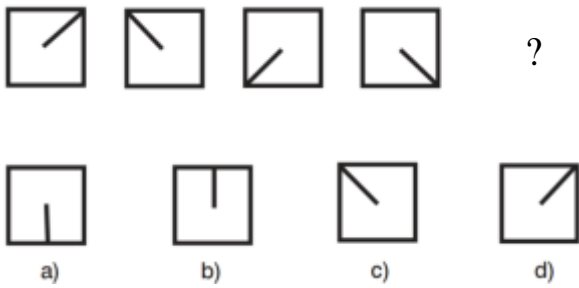


25. Cila nga të mëposhtmet është ndryshe nga të tjerat?

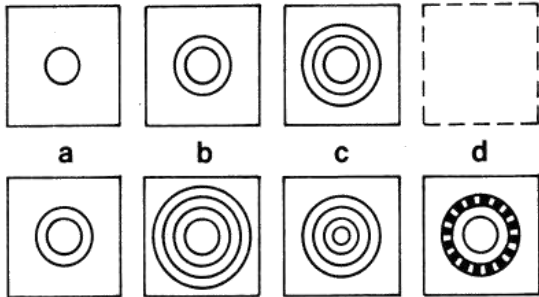
Aşağıdakilerden hangisi diğerlerinden farklıdır?



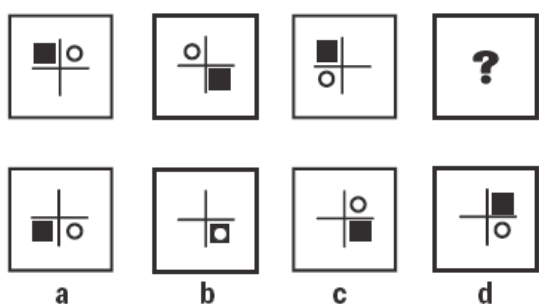
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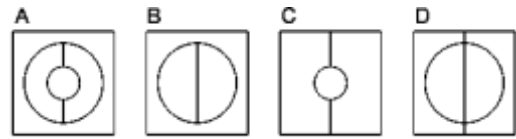
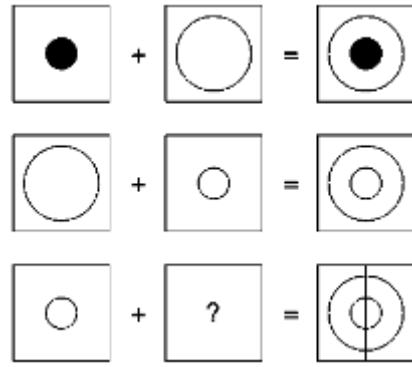
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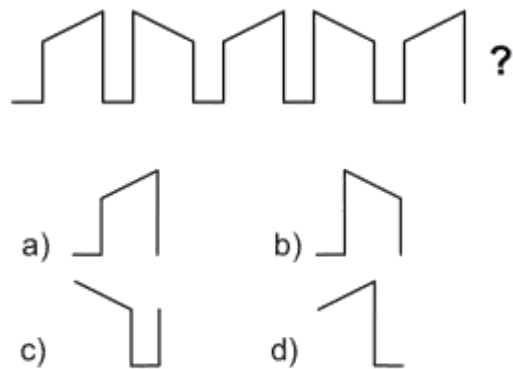
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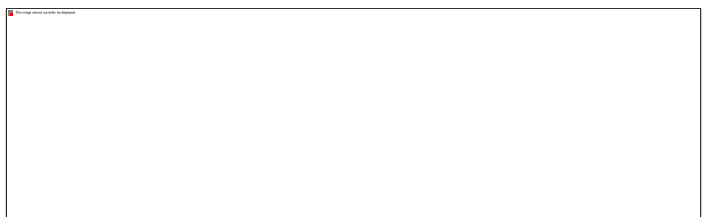
29.



30.



31.



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

32. 2 3 5 8 13 21 34 ?

- a) 55 b) 38 c) 47 d) 40

33. 28 27 25 22 18 ?

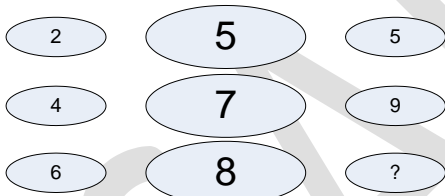
- A) 15 B) 14 C) 16 D) 13

34.

4	3	14
8	6	?
12	9	26

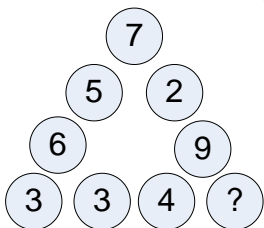
- A) 12 B) 21 C) 16 D) 18

35.



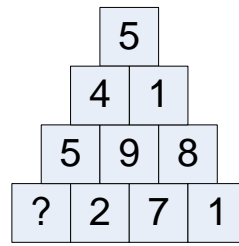
- a) 8 b) 4 c) 5 d) 6

36.



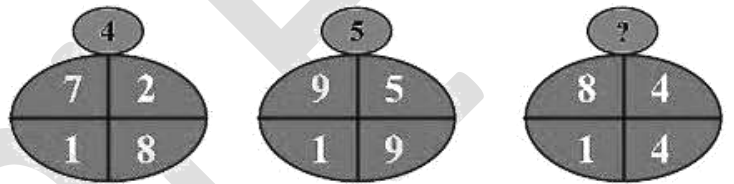
- a) 4 b) 3 c) 5 d) 2

37.



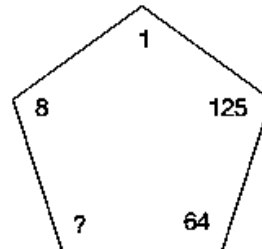
- a) 3 b) 4 c) 1 d) 7

38.



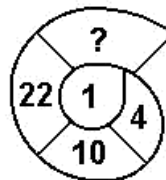
- A) 3 B) 2 C) 7 D) 6

39.



- A) 27 B) 45 C) 25 D) 81

40.



- A) 28 B) 32 C) 44 D) 46