

Multiple Choice

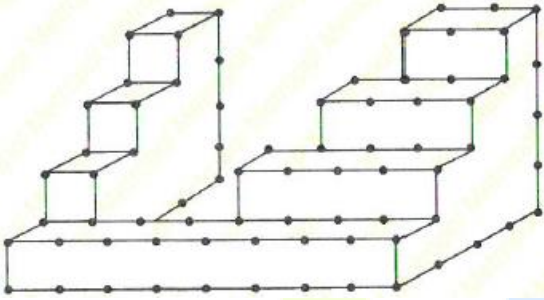
1) What numbers should be replaced

SER = ?

SOR
KES
SER
KOR
FES

- A) 926
- B) 546
- C) 526
- D) 945

2) How many cubes with same size are there?



- A) 39
- B) 40
- C) 41
- D) 42

3) Find the next figure.



- A)
- B)
- C)
- D)

4) What figure should replace the question mark?

	●△□	□■△	△▲●
●△□	●□	●△	●●
■▲□	■□	?	■●
□■●	□□	□△	□●

- A)
- B)
- C)
- D)

5) What number should replace the question mark?

3, 7, 10, 20, 24, 27, 54, ?

- A) 52
- B) 53
- C) 54
- D) 58

6) What number should replace given figure?

□○△☆	}	1278	3127	3951
■☆△☆		5921	8727	
○△☆■				
▲★△○				
□★▲○				
		□★▲○ = ?		

- A) 8727
- B) 3127
- C) 5921
- D) 3951

7) Find the value of $a + b + c = ?$

$\text{pentagon}(2)$	$\text{circle}(11)$		$\text{pentagon}(3)$
	$\text{triangle}(23)$	$\text{triangle}(29)$	$\text{circle}(13)$
$\text{circle}(19)$	$\text{triangle}(37)$	$\text{triangle}(31)$	
$\text{pentagon}(7)$		$\text{circle}(17)$	$\text{pentagon}(5)$

$\text{pentagon}(41)$	$\text{circle}(59)$		$\text{pentagon}(43)$
	$\text{triangle}(73)$	$\text{triangle}(79)$	$\text{circle}(61)$
$\text{circle}(b)$	$\text{triangle}(89)$	$\text{triangle}(c)$	
$\text{pentagon}(53)$		$\text{circle}(67)$	$\text{pentagon}(a)$

- A) 191 B) 197
C) 201 D) 211

8) What number should replace the question mark?

3	6	15	45
5	10	27	81
4	8	21	63
6	12	?	99

- A) 33 B) 22
C) 9 D) 4

9) What number should replace the question mark?

5, ?, 7, 7, 14, 11, 16, 15, ?

- A) 32, 4 B) 3, 32
C) 13, 5 D) 32, 7

10) What number should replace the question mark?

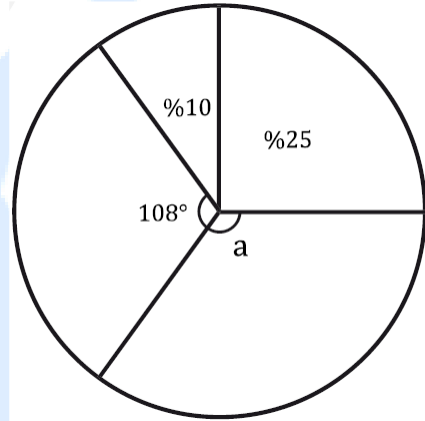
2	5	13	36
3	8	?	63
1	2	4	9
4	11	31	90

- A) 32 B) 20
C) 29 D) 22

11) Which of the following number systems are different from others in one way?

- A) 14 16 18 20
B) 13 15 17 19
C) 20 22 24 26
D) 30 32 34 38

12) How many degree will be $a = ?$



- A) 136 B) 144
C) 126 D) 152

13) Find the value of $x + y = ?$

36	5	42	4	55	x
1	7	2	10	y	5

- A) 12 B) 13
C) 11 D) 15

14) According to the given rule, solve problem IV.

- I. $29 \text{ ☎ } 26 = 27$
II. $17 \text{ ☎ } 12 = 125$
III. $47 \text{ ☎ } 36 = 1331$
IV. $33 \text{ ☎ } 29 = ?$

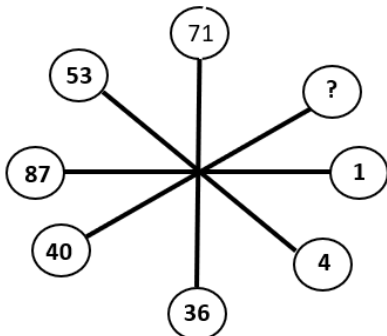
- A) 64 B) 49
C) 36 D) 25

15) According to the given rule, solve problem IV.

- I. $a \bullet b = 3 \cdot a \blacktriangle 4 \cdot b$
- II. $a \blacktriangle b = (a + 8) \times (b - 4)$
- III. $a \times b = (a + b) \cdot 2$
- IV. $(3 \blacktriangle 7) \bullet (5 \bullet 2) = ?$

- A) 302
- B) 308
- C) 616
- D) 608

16) Find the missing number.



- A) 16
- B) 2
- C) 12
- D) 4

17) Find the next number.

8	24	42	56
2	4	6	7
			?

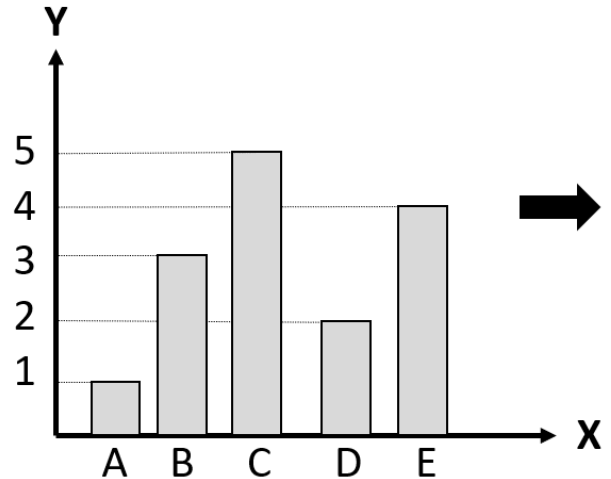
- A) 3
- B) 10
- C) 8
- D) 12

18) Find $c - b = ?$

+	a	b	c
		$2c+2$	
b			a
c	$5b-4$		

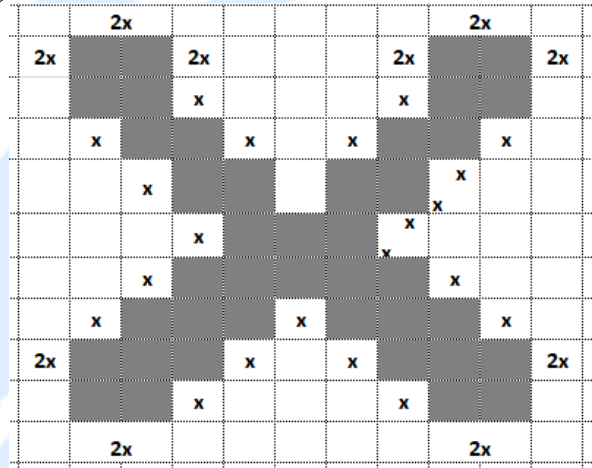
- A) 2
- B) 4
- C) 6
- D) 8

19) If $A+B+C+D+E = 300$ and with given graphs information find value of $C - E = ?$



- A) 10
- B) 20
- C) 30
- D) 50

20) Find the shaded area in x^2



- A) 32
- B) 33
- C) 44
- D) 35

21) Letters stands for a number, different from zero and each other in the given operations. Find the value of letter or operations indicated by the question mark.

$$\begin{array}{r} A \\ - \quad B \\ \hline 0 \end{array} \quad \begin{array}{r} A \\ + B \\ \hline 8 \end{array} \quad \begin{array}{r} A \\ - B \\ \hline C \end{array} \quad \rightarrow \quad A + B + C = ?$$

Answer: _____

22) If

$$2 + 4 = 10$$

$$4 + 6 = 28$$

$$5 + 2 = 15$$

$$6 + 3 = 24$$

Then

$$7 + 9 = ?$$

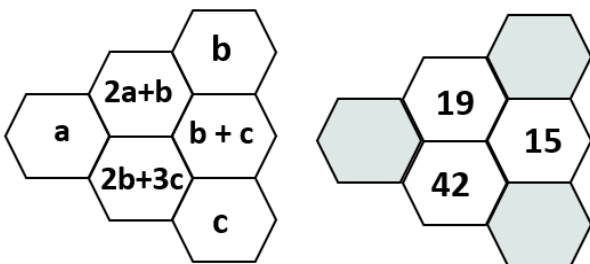
Answer:

23) What is the value of $(K + N) - (L + M)$?

24	15	26	17	28	19
45	66	47	68	M	70
30	21	32	23	34	K
51	72	53	N	55	76
36	L	38	29	40	31
57	78	59	80	61	82

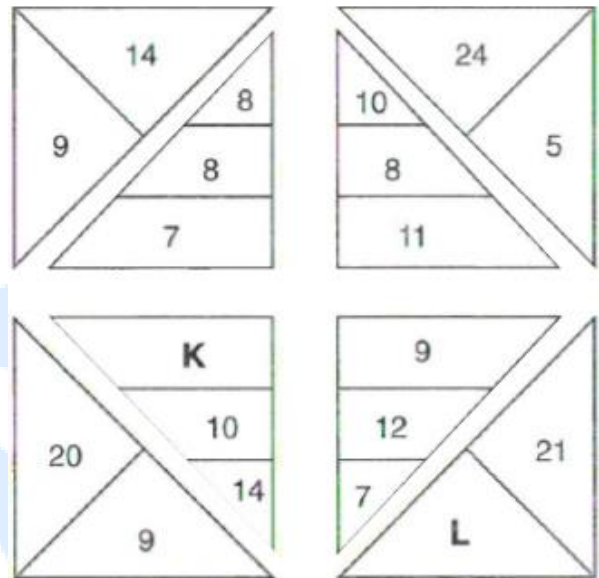
Answer: _____

24) From these figures, find the value of $a + b + c = ?$



Answer: _____

25) With given information, find $K \times L = ?$



Answer: _____