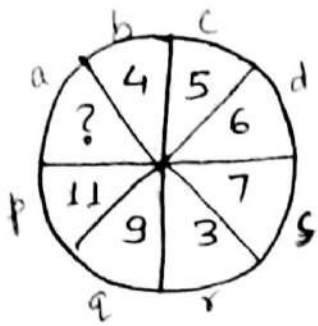


# Homework Solution - Missing Character

Which one will replace the question mark.

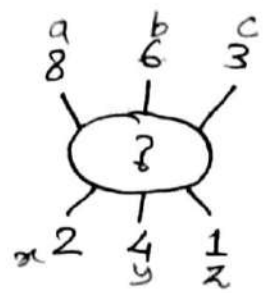
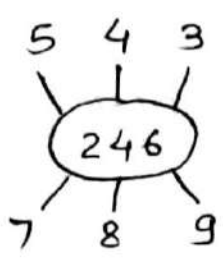
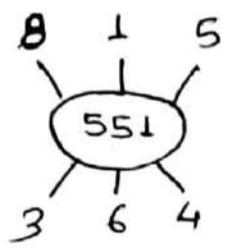
Q.1



- (A) 13      (B) 14  
(C) 12      ~~(D) 15~~

logic  $\Rightarrow a+b+c+d = e+f+g+h$   
 $9+4+5+6 = 11+9+3+7$   
 $a+15 = 30 \Rightarrow a = 15$  Ans.

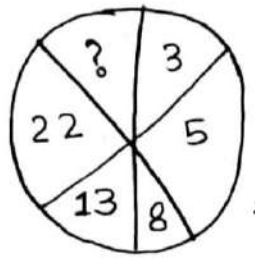
Q.2



logic  
 $a-x = 6$   
 $b-y = 2$   
 $c-z = 2$  } 622

- (A) 262      (B) 626      (C) 622      (D) 631

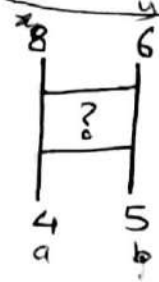
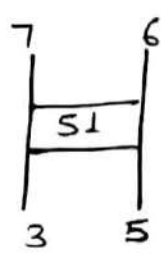
Q.3



- (A) 45      (B) 29  
~~(C) 39~~      (D) 37

logic  $\Rightarrow 3+2=5, 5+3=8, 8+5=13, 13+9=22$   
 $22+17=39$

Q.4



(A) 59      (B) 60  
(C) 61      (D) 62  
 logic  $\Rightarrow (x^2+y^2) - (a^2+b^2)$   
 $(8^2+6^2) - (4^2+5^2)$   
 $100 - 41 = 59$

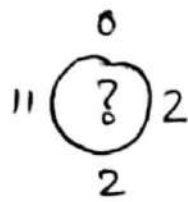
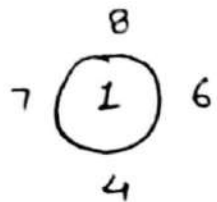
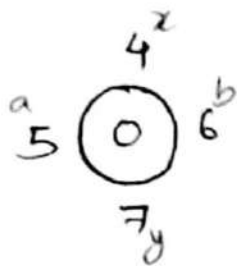
Q.5

a	2	4	0
b	1	2	4
c	3	1	3
x	36	?	91

- (A) 25      (B) 59  
(C) 48      (D) 73

logic  $\Rightarrow x = a^3 + b^3 + c^3$   
 $36 = 2^3 + 1^3 + 3^3$   
 $73 = 4^3 + 2^3 + 1^3$   
 $91 = 0^3 + 4^3 + 3^3$

Q.6



(A) 0 (B) 2

~~(C) 11~~ (D) 12

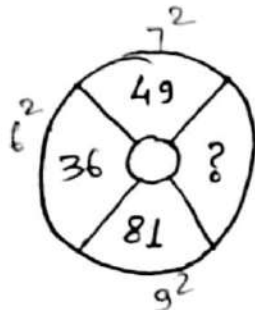
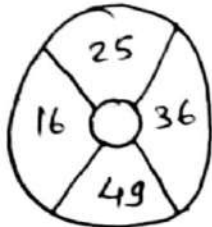
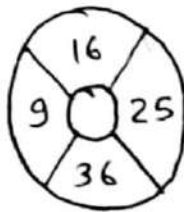
Logic  $\Rightarrow (a+b) - (x+y)$

I  $\rightarrow (5+6) - (4+7) = 0$

II  $\rightarrow (7+6) - (8+4) = 1$

III  $\rightarrow (11+2) - (0+2) = 11$

Q.7

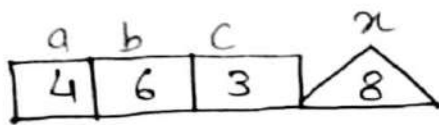


(A) 64 (B) 144

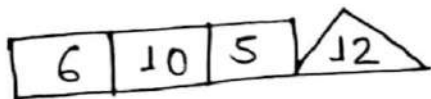
(C) 169 (D) 25

Logic  $\Rightarrow 6^2, 7^2, 8^2, 9^2$

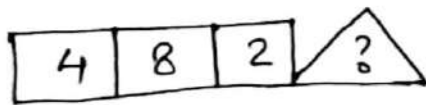
Q.8



(A) 8 (B) 12



(C) 16 (D) 20



Logic  $\Rightarrow x = \frac{a \times b}{c} = \frac{4 \times 6}{3} = 8$ ,

$\frac{6 \times 10}{5} = 12, \frac{4 \times 8}{2} = 16$

Q.9

x	7	4	5
y	8	7	6
z	3	3	?
a	29	19	31

(A) 3 (B) 5

(C) 4 (D) 6

Logic  $\Rightarrow x \times z + y = a$

I  $\rightarrow 7 \times 3 + 8 = 29$

II  $\rightarrow 4 \times 3 + 7 = 19$

III  $\rightarrow 5 \times ? + 6 = 31$

$\rightarrow 5 \times 5 + 6 = 31$

Q.10

x	4	5	6
y	2	3	7
z	1	8	3
a	21	98	?

(A) 94 (B) 76

(C) 16 (D) 73

Logic  $\Rightarrow a = x^2 + y^2 + z^2$

21 =  $4^2 + 2^2 + 1^2$

98 =  $5^2 + 3^2 + 8^2$

(94) =  $6^2 + 7^2 + 3^2$

Q.11

(A) 24 (B) 25  
 (C) 26 (D) 20

Logic:  $p = x^2 + y^2$   
 $? \rightarrow 1^2 + 5^2 = 26$

Q.12

Logic:  $I \rightarrow (15-12) + (10-9) = 4$   
 $II \rightarrow (28-12) + (16-20) = 12$   
 $III \rightarrow (23-11) + (15-16) = 11$

Missprint

(A) 11 (B) 14 (C) 10 (D) 12

Q.13

(A) 625 (B) 665  
 (C) 125 (D) 025

Logic:  $1, 1^3, 3, 3^3, 5, 5^3, 7, 7^3$   
 $y = x^3$

Q.14

(A) 30 (B) 13 (C) 70 (D) 118

Logic:  $I \rightarrow \frac{x+y}{z} = \frac{15+12}{3} = 9$   
 $II \rightarrow \frac{44+28}{8} = \frac{72}{8} = 9$   
 $III \rightarrow \frac{64+53}{?} = \frac{117}{9} = 13$

Q.15

(A) 25 (B) 37 (C) 41 (D) 47

Logic:  $I \rightarrow 5 \times 3 + 4 = 19$   
 $II \rightarrow 7 \times 5 + 6 = 41$   
 $III \rightarrow 6 \times 4 + 5 = 29$