

Number Puzzles Part-1

Number Puzzles



OnlineStudy4u

Placement for ALL. All for Placement

This Video Completely covers the problems on "Number Puzzles" which is more than sufficient for all kind of placement Exams eg: TCS/WIPRO/AMCAT/ELITMUS/CoCubes and all other placement Exams.

Number Puzzles by : Pratik Shrivastava (10 years of industry experience and best Aptitude trainer)

Q1.

Number series

8	3	21
6	5	25
12	2	?

Find out the missing number?

Logic

$$8 \times 3 - 3 = 21 \checkmark$$

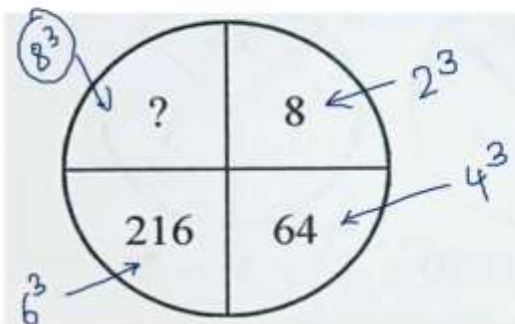
$$6 \times 5 - 5 = 25 \checkmark$$

$$12 \times 2 - 2 =$$

$$24 - 2 = 22$$

A. 24 B. 19 C. 22
d. 20

Q2. Find out the missing number.



Tables (1-20)
Squares (1-35)
Cube (1-15)
 $8^3 = 512$

A. 343 B. 512 C. 729
d. 1000

Q3. Find out the missing number?

5	6	12
4	3	4
2	3	?
18	27	96

$$(5+4) \times 2 = 18$$

$$(6+3) \times 3 = 27$$

$$(12+4) \times 6 = 96$$

A. 4 B. 5 C. 6 d. 3

Q4. Find out the missing number?

9	12	8
6	7	3
45	95	?

$$9^2 - 6^2 = 81 - 36 = 45$$

$$12^2 - 7^2 = 144 - 49 = 95$$

$$8^2 - 3^2 = 64 - 9 = 55$$

A. 35 B. 45 C. 55 d. 65

Q5. Find out the missing number?

5	15	5
10	?	6
3	2	5

$$\Rightarrow 5 \times 10 \times 3 = 150 \checkmark$$

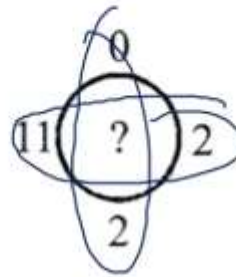
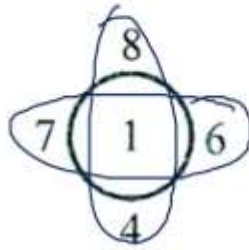
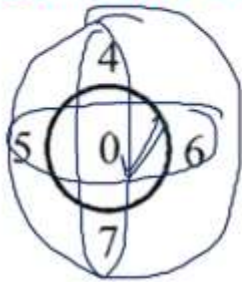
$$15 \times 2 \times 2 = 150$$

$$5 \times 6 \times 5 = 150$$

$$15 \times 5 \times 2 = 150$$

A. 5 B. 7 C. 9 d. 12

Q6. Find out the missing number ?



(a) 0

(b) 2

(c) 11

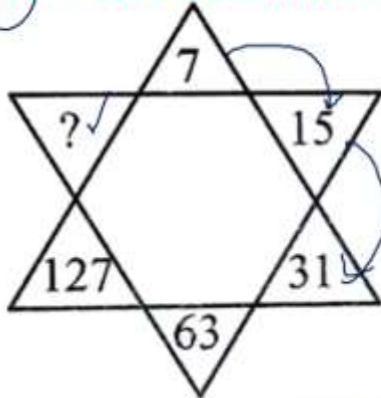
(d) 12

$$11 - 11 = 0$$

$$13 - 12 = 1$$

$$13 - 2 = 11$$

Q7. Find out the missing number .



Number series

$$7 \times 2 + 1 = 15$$

$$15 \times 2 + 1 = 31$$

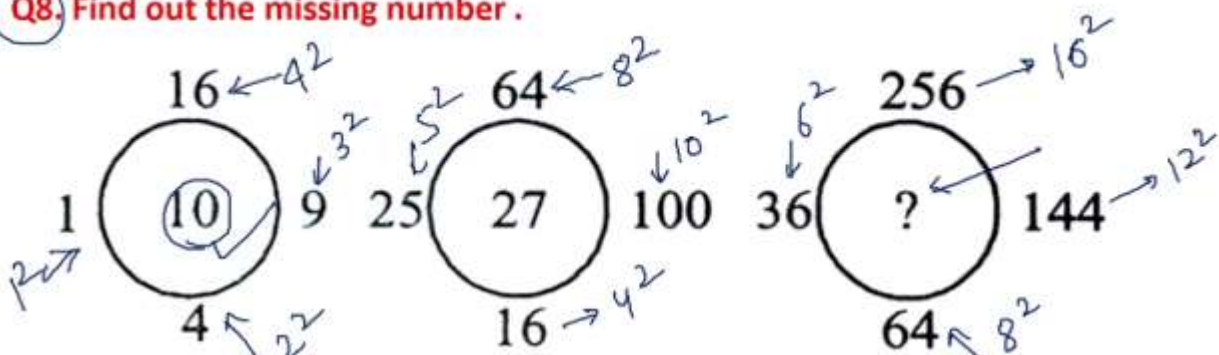
$$31 \times 2 + 1 = 63$$

$$63 \times 2 + 1 = 127$$

$$127 \times 2 + 1 = 255$$

A. 221 B. 236 C. 255
d. 190

Q8. Find out the missing number .



(a) 37

(b) 47

(c) 56

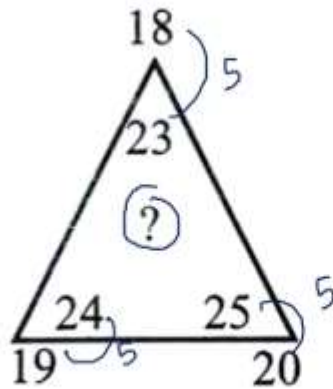
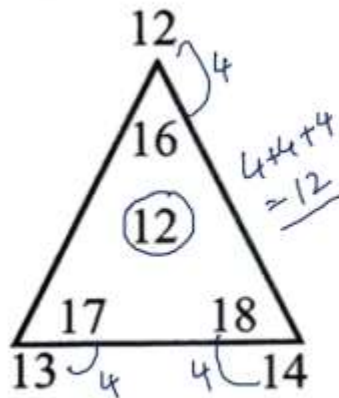
(d) 42

$$6 + 8 + 12 + 16 =$$

$$20 + 22 = 42$$

$$= \frac{4 + 5 + 8 + 10}{27}$$

Q9. Find out the missing number.



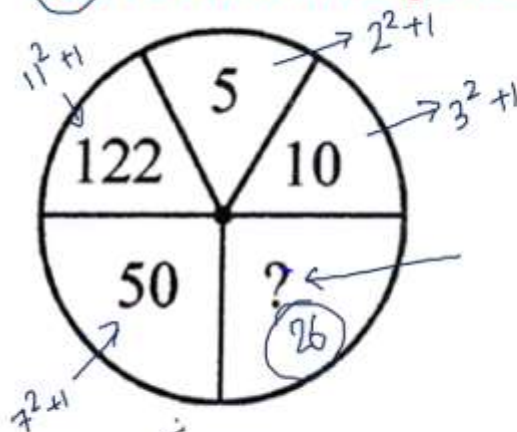
Logic

[before that] ✓

$$5 + 5 + 5 = 15$$

- A. 15 B. 12 C. 8
d. 18

Q10. Find out the missing number.



2, 3, 7, 11
↓
Prime

Logic

$$2^2 + 1 = 5$$

$$3^2 + 1 = 10$$

$$5^2 + 1 = 25 + 1 = 26$$

$$7^2 + 1 = 50$$

$$11^2 + 1 = 122$$

Prime

↙ ↘
itself

- A. 26 B. 25 C. 23
d. 27

Q11. Find out the missing number.

Tricky:

28	20	7
84	35	12
45	?	9

$$(28 \div 7) \times 5 = 20$$

$$(84 \div 12) \times 5 = 7 \times 5 = 35$$

$$(45 \div 9) \times 5 = 5 \times 5 = 25$$

- A. 19 B. 22 C. 26
d. 25

Q12. Find out the missing number .

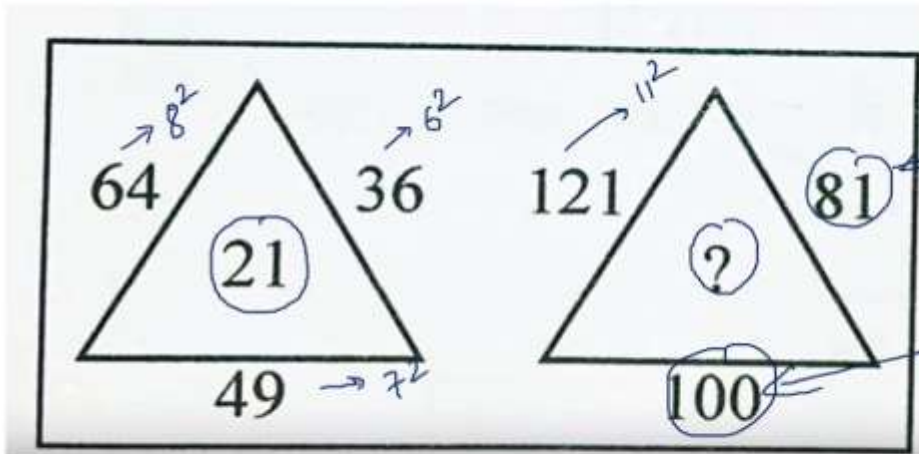
9	3	8
6	6	6
15	8	11
12	11	?

Logic
 $\sqrt{(15+6)} - 9 = 12$
 $(8+6) - 3 = 11$
 $(11+6) - 8 = 9$

Concept ✓

A. 8 B. 9 C. 10 d. 13

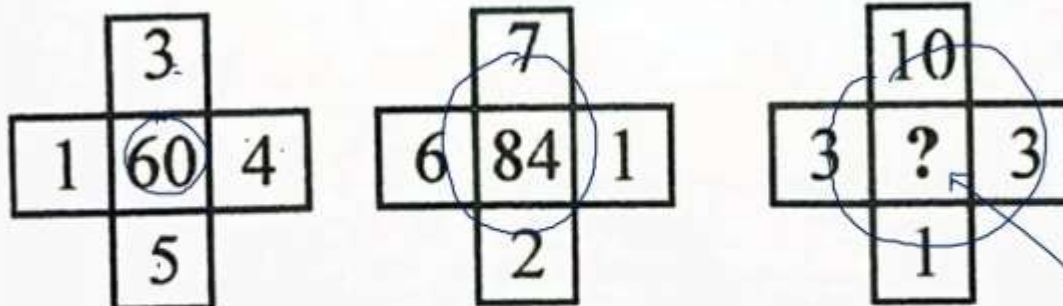
Q13. Find out the missing number .



Logic
 $11 + 9 + 10 = 30$

a. 24 b. 22 c. 26 d. 30 $8+6+7=21$

Q14. Find out the missing number .



A. 80 B. 90 C. 70 d. 60

$3 \times 4 \times 5 \times 1 = 60$

$7 \times 1 \times 2 \times 6 = 84$

$10 \times 3 \times 1 \times 3 = 90$

Q15. Find out the missing number.]

?	120	150
110	100	90
80	60	40

280 280

Solution:

$$x + 110 + 80 = 280$$

$$x + 190 = 280$$

$$x = \frac{280 - 190}{}$$

$$x = 90$$

A. 60 B. 70 C. 80

d. 90