



Mahendra's



SSC CGL/CPO/CHSL

REASONING

INSERTING MISSING CHARACTER

PART-1

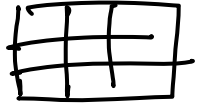


07:30 PM

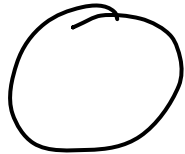


ABOUT MISSING CHARACTER (TYPES)

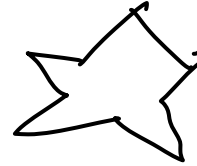
MATRIX BASED



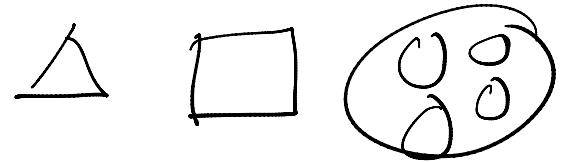
CIRCULAR BASED



STAR BASED



VARIOUS FIGURE



ABOUT MISSING CHARACTER

EXAMPLE MATRIX BASED

✓	✓	✓
22	21	20
18	17	16
25	24	? ₁
? ₂	28	27

23



23, 29

(1) Logic

Sequence

29 ✓

HOW TO SOLVE MATRIX

Left + to Right

Right

5	7	35
8	9	72
7	6	?

5
7
35

Top to Bottom

(Square)

(edge)

Sum

=

Constant

HOW TO SOLVE MATRIX

Magic Matrix

5	6	1
7	2	3
0	4	8

$12 = 5 + 6 + 1 = 12$

12

12

12

12

12

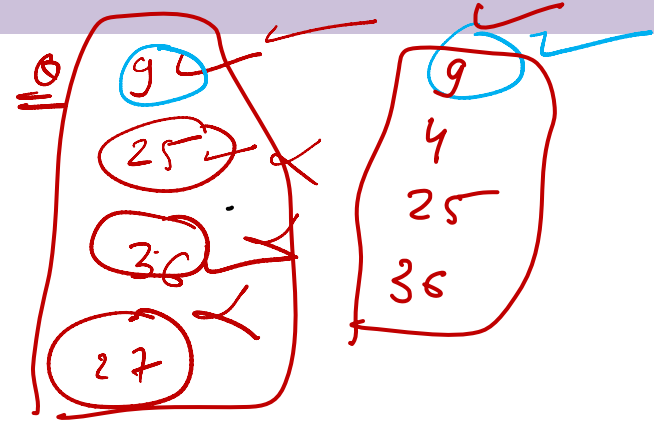
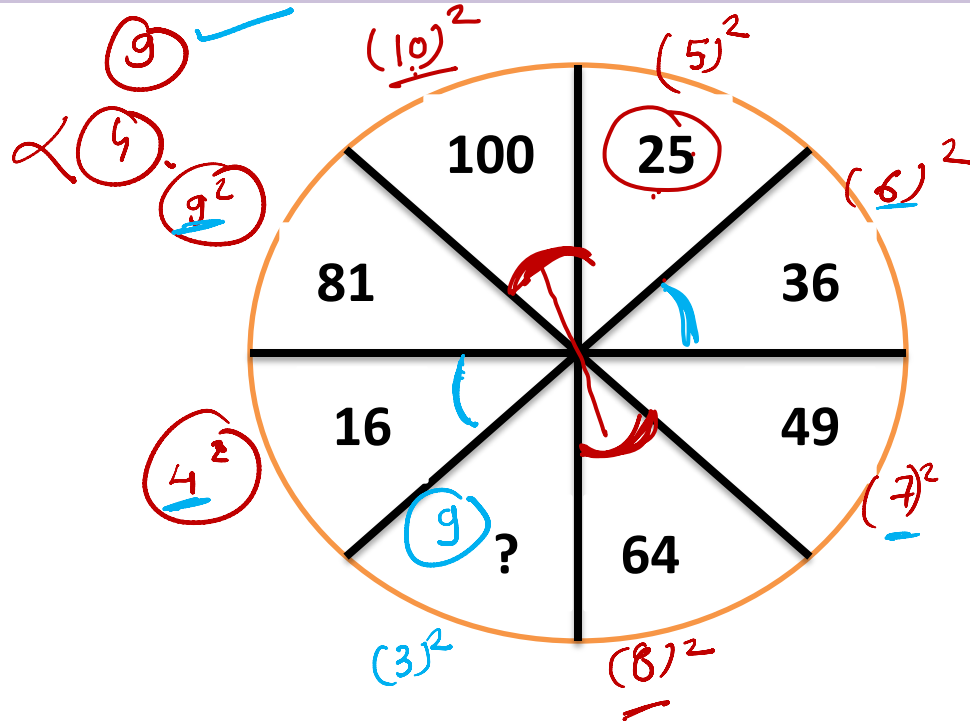
HOW TO SOLVE MATRIX

Row 1 →

Col 1 ✓	✓	✓
⋮	.	.
⋮		
⋮		

ABOUT MISSING CHARACTER

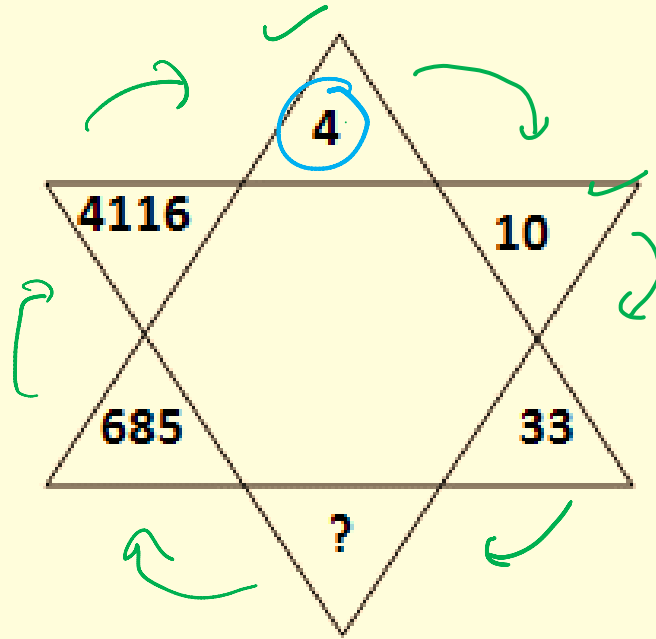
EXAMPLE CIRCLE BASED



ABOUT MISSING CHARACTER

EXAMPLE STAR BASED

- (A) 125
- (B) 116
- (C) 136
- (D) 95



$$4 \times 2 + 2 = 10$$

$$10 \times 3 + 3 = 33$$

$$33 \times 4 + 4 = 136$$

$$30 \times 4 = 120$$

$$3 \times 4 = 12$$

$$120 + 12 + 4 = 136$$

Q1. FIND THE MISSING TERM ?

- A) 22
- B) 18
- C) 20
- D) 16

18

$4+$

$4+$	8×2	20
$9+$	3×2	15
$6+$	6×2	?

$$(12) + 8 = 20$$

$$9 + 3 + 3 = 15$$

$$6 + 6 + 6 = (18)$$

18

Q2. FIND THE MISSING TERM ?

$$\underline{35 + 7 - 18 = 24}$$

- A) 17
- B) 15 ✗
- C) 13
- D) 14 ✓

18	16	7
35	25	? x
7	23	58
<u>24</u>	32	65

Ans

$$\begin{array}{r} 2 \\ 18 \checkmark \\ + 35 \checkmark \\ \hline 60 \checkmark \\ - 24 \\ \hline 36 \checkmark \end{array}$$

$$58 + x - 7 = 65$$

$$58 + x = 72$$

$$x = 72 \\ - 58$$

$$\underline{14}$$

Q3. FIND THE MISSING TERM ?

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

2	4	6
6	2	4
4	?	2

12

31er

~~Row = 12~~

Col = 12

Q5.FIND THE MISSING TERM ?

- A) 60
- B) 64
- C) 48
- D) 52

$\times 1.5$	8	10	7
$\times 2$	12	15	9
$\times 2.5$	24	30	21
	?	75	52.5

Handwritten annotations: 1.5 , 2 , 2.5 are written next to the first column. 1.5 and 2 are written next to the second column. 10.5 is written next to the third column. A checkmark is at the bottom.

$$8 \times 1.5 = 12$$

Q7. FIND THE MISSING TERM ?

- A) 134
- B) 112 ✓
- C) 96 ✓
- D) 140

	$\times 3 + 1$	$\times 3 + 1$	
9	28	85	
12	37	?	
16	49	148	

$$9 \times 3 = 27 + 1 = 28$$

$$28 \times 3 = 84 + 1 = 85$$

$$37 \times 3 + 1 = \textcircled{112}$$

Q8.FIND THE MISSING TERM ?

- A) 208
- B) 142
- C) 232
- D) 116

6	24	96
7	28	112
13	52	?

208

Q9. FIND THE MISSING TERM ?

- A) 6
- B) 5
- C) 9
- D) 7

50	31	9
43	11	6
42	21	?

$$50 + 31 = \frac{81}{9} = 9$$

$$43 + 11 = \frac{54}{9} = 6$$

$$42 + 21 = \frac{63}{9} = 7$$

Q10.FIND THE MISSING TERM ?

- A) 9
- B) 3
- C) 12
- D) 51

4	6	7
5	3	? ⁽³⁾
41	45	58

(4) $4^2 + 5^2 = 41$

(5) $6^2 + 3^2 = 45$

(41)

$x^2 + x^2 = 58$

$$\begin{array}{r} 58 \\ - 99 \\ \hline 09 \\ \hline \end{array}$$

Q11.FIND THE MISSING TERM ?

- A) 19
- B) 18
- C) 17
- D) 21

	(5)	(7)	
(3)	$\sqrt{9}$	$\sqrt{25}$	$\sqrt{49}$
*	6	11	13
(18)	81	55	?

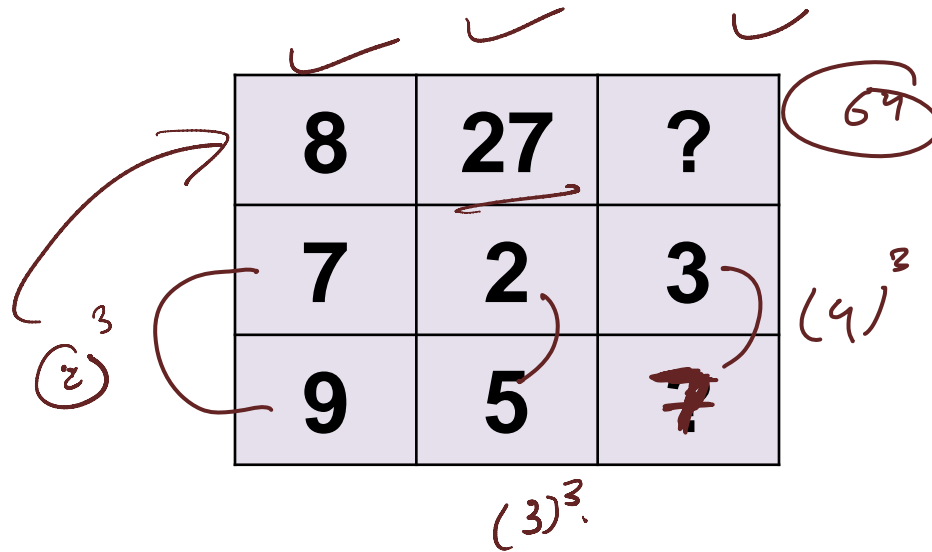
$13 \times 7 = 91$
(19)

$5 \times 11 = 55 = 55$
←

(18)
81

Q12.FIND THE MISSING TERM ?

- A) 64
- B) 16
- C) 36
- D) 25



Q13.FIND THE MISSING TERM ?

- A) 46
- B) 18
- C) 61 ✓
- D) 94

20	12	46
24	17	94
31	27	?

$$(8)^2 = (64)$$

↓

$$(4)^2 = (16)$$

$$(61)$$