

TCS NOV 2021 Reasoning

Page No. :

Date :

(1)

P I C N I C

16 9 3 14 9 3

E G P A R N

5 7 16 1 11 14

Z E B R A

C P D C B

Reverse this

C I N C I P

3 9 14 3 9 16

+2 -2 +2 -2 +2 -2

N O E R I P

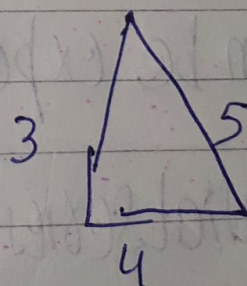
+2 -2 +2 -2 +2 -2

P M R E K N → Answer

(2)

(3, 4, 5) are Pythagorean triples.

$$5^2 = 3^2 + 4^2$$



$$5^2 + 12^2 = 13^2$$

$$25 + 144 = 169$$

tip → Armstrong number $\Rightarrow 153 \Rightarrow 1^3 + 5^3 + 3^3$
 fibonacci series

(3)

$$+ \rightarrow x$$

$$- \rightarrow /$$

$$x \rightarrow -$$

$$/ \rightarrow +$$

$$\frac{32 \times (36+4) - 2}{16}$$

$$32 - 16 + (36/4) \times 2$$

\Rightarrow BODMAS

$$\Rightarrow 32 - 16 + (9) \times 2$$

$$\Rightarrow 32 - 16 + 18 \Rightarrow \boxed{34}$$

(4)

firstly see at series

$$21, 22, 46, 141, 568$$

if difference $\begin{matrix} 1 & 24 & 95 & 427 \end{matrix}$

It can be exponential based series

Exponential series are 5, 25, 125, 625.

$$21 \times 1 + 1 \Rightarrow 22$$

$$141 \times 4 + 4 \Rightarrow 568$$

$$22 \times 2 + 2 \Rightarrow 46$$

$$568 \times 5 + 5 = 2845$$

$$46 \times 3 + 3 = 141$$

Q5

13	12
	66
10	9

18	14
	109
11	13

28	15
	300
15	?

→

$$28 \times 15 = 420$$

$$15 \times 8 = 120$$

$$\underline{300}$$

$$\rightarrow 13 \times 12 \Rightarrow 156$$

$$10 \times 9 \Rightarrow \underline{-90}$$

$$66$$

$$18 \times 14 \Rightarrow 252$$

$$11 \times 13 \Rightarrow \underline{143}$$

$$109$$

8 is answer

Q6

$$'R + S' \rightarrow R \geq S$$

$$'R - S' \rightarrow R \leq S$$

$$'R \div S' \rightarrow R = S$$

$$'R \times S' \rightarrow R \leq S$$

$$'R \% S' \rightarrow 'R < S'$$

Statement given

$$0 \times P \rightarrow 0 \geq P$$

$$P - A \rightarrow P \leq A$$

$$A \% 0 \rightarrow A \times 0$$

Conclusion

$$0 > A > P < 0$$

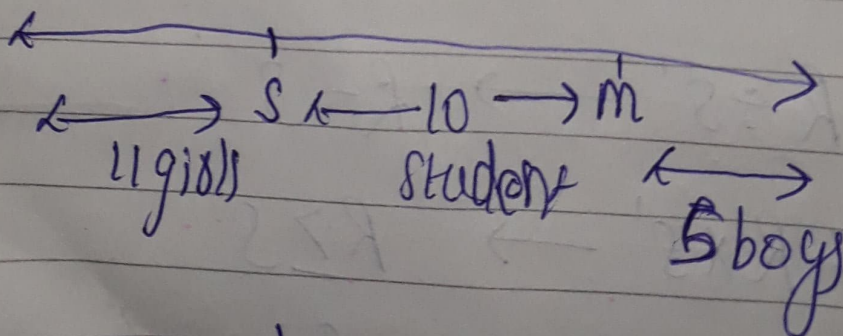
① $0 + P$

$$0 > P \quad \checkmark$$

② $0 \div P \rightarrow 0 = P$
X

Only Conclusion 1 is true.

7.)



So, Cannot be determined.

Q)

$$343 \rightarrow 7^3.$$

Cube is cut down into $7 \times 7 \times 7$
by by
 $64 = 4^3$

We will see layerwise:-

There are 4 layers

layer 1 →

All cubes are painted.

No. of unpainted cubes = 0

2nd layer

Only side cubes are painted, in total
4 cubes (middle most) are not painted

No. of unpainted = 4

3rd layer → same as layer 2 = 4

4th layer → same as layer 1 = 0

Total unpainted cubes = 8