

AYESHA - AHMED

Batch: 83

QSA

QUESTION NO: 1

ANS: GIVEN:

Code

UODG

x

Original

ROAD

Lake

CONNECTING LINKS:

- $R = U$, which is jump of two in straight manner $R, \underline{S}, T, U$
- $O = Q$, Same case for "O" $O, \underline{P}, Q$, but with jump of one
- $A = D$, Jump of 2 $A, \underline{B}, C, D$
- $D = G$ Jump of 2 $D, \underline{E}, F, G$

- Finding Pattern:

If we follow the following pattern Lake would be

- $L = O$, Jump of 2 $L, \underline{M}, N, O$
- $A = C$, Jump of 1 $A, \underline{B}, C$

- K = N Jump of 2
- E = H Jump of 2

-> Dignam:-

Code

Original

UODX

Lake Road

OCNH

Lake

-> Direct Answer:-

Thus, Lake would be coded as OCNH.

A man Tells a woman "The son of my sister's husband is the father of your son". How woman is related to Man

* Given:-

According to given Data

1- Sister have a son

2- Sister's husband is a father

3- Sister's husband is the father of person referred to.

-> Explanation:-

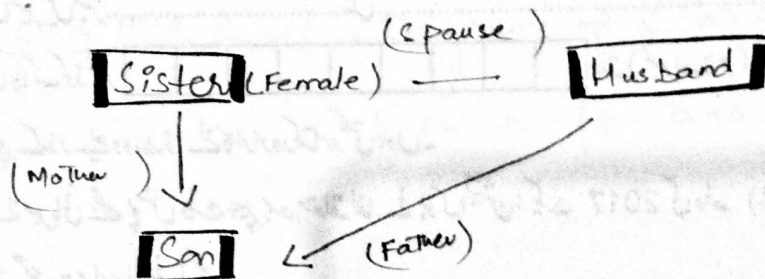
From above Data it is clear that to solve the boy both male and Female figure need

to relate to Boy.

Direct Answer

"Women is the wife of that man"

Mind Map:-



C- Find the next number in the following series:

1- 4, 12, 6, 18, 9, 27, _____

Above series is in two sets

1st Series

4, 12, 6, 18, 9, 27, _____

1) Following set varies • 4, 5, 6, one jump

• 6, 7, 8, 9, two jumps

• 9, 10, 11, 12, 13 Thus progressively next

2) Should be 13

4, 12, 6, 18, 9, 27, 43

while second series

4, 12, 6, 18, 9, 27 13 ↗

if we needed to find or progress the series 2nd sequence
could be broken in to following way.

① 12 13 14 15 16 17, 18, Difference of 5 or addition of
6 in 12 [$\because 12+6=18$]

2) $18+9=27$

3) Net would be,

$$\boxed{27+12=39}$$

Series Progressed / Short ANSWER

i) 4, 12, ~~13~~ 6, 18, 9, 27, 13, 39.

Series # 2

1, 2, 6, 24, 120 —.

Following series one follow one patterns.

$$\Rightarrow 2 \times 3 = \underline{6}$$

$$\Rightarrow 6 \times 4 = \underline{24}$$

$$\Rightarrow 24 \times 5 = \underline{120}$$

Thus, Multiplying 120 with 6 will progress the series

$$\Rightarrow 120 \times 6 \Rightarrow 720$$

$\therefore$ Short answer:-

• 1, 2, 6, 24, 120 720

Part # D

$\therefore$ Given Data:-

1) 5 Friends have different height

2) P is shorter than Q but taller than R

3) T , P , Q

3- S is shorter than T but taller than Q

4- Shortest is 150 cm

5- Taller is 180 cm

Required

we have To Find:-

1. who is the third tallest $\Rightarrow$

2. Maximum possible range $\Rightarrow$

Solution:-

Third tallest

According to the data:-

1- $\frac{Q}{\text{Tall}}$ $\frac{P}{\text{Mid}}$ $\frac{R}{\text{short}}$

2- T S Q
Tall Mid short

Thus combining them would give

T, S, Q, P, R,
(180°) (150cm)

Short answer:-

Thus $\boxed{2}$ is the third smallest

Maximum possible range

$$R_{\max} = 180 - 150$$

$$= 30 \text{ cm}$$

QUESTION NO : 2

Given

Total number of people = 100

$$\text{watch } \overset{\text{Hockey}}{\text{cricket}} = 40$$

$$\text{watch neither} = 20$$

$$65 = \text{watch cricket}$$

Find How many watch both = ?

Required

No who at least watch cricket or hockey

$$100 - 20 = 80$$

Formula:-

Using Formula

$$* |C \cup H| = |C| + |H| - |C \cap H|$$

$$* 80 = 65 + 40 - |C \cap H|$$

$$* 80 = 105 - |C \cap H|$$

$$* |C \cap H| = 105 - 80 = 25$$

Result:-

No of people who watch both are 25