

→ (Homework) ←

Q: Pointing to a photo, Danish said, "His father is the only son of my brother." The photo belongs to?

Answer:

Danish's ~~brother's~~ son

explain the logic of the answer in detail by giving statements.....

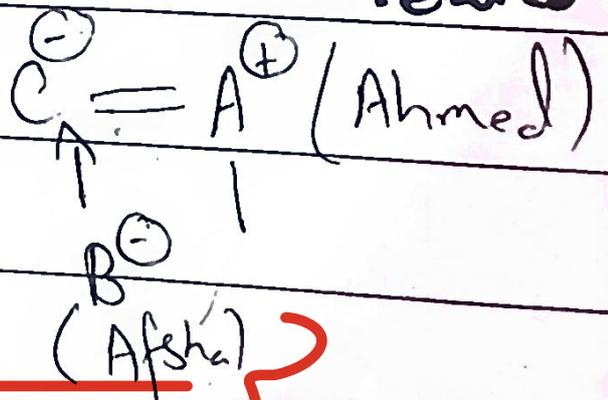


Looking at the portrait of a man, Ali said, "His mother is the wife of my father's son. Brother & sister A have none." The portrait belongs to who?

Ali's son.

If Ahmed says, "Afsha's mother is the only daughter of my mother", how is Ahmed related to Afsha?

→ Ahmed is the maternal uncle of Afsha.



→ Afsha is the daughter of A.

Q. → (Home work) & (CSS-past papers) :-

Eleven students A, B, C, ..., K are sitting in a row facing towards a teacher, D, immediate left to is second right to C. A is 2nd right to E, who is at one end. J is neighbour of A and B. Who is in middle - also draw table.

Solution: 3rd to right of I.

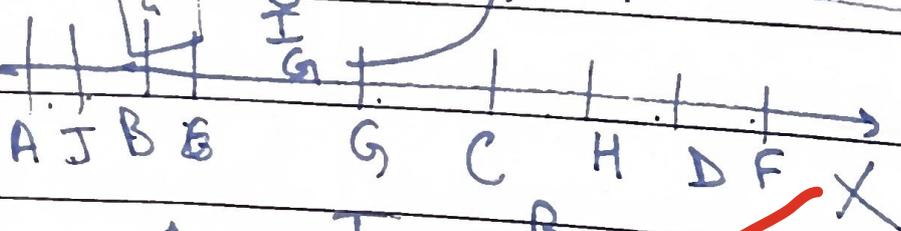
A J B _____ I _____

Solution.

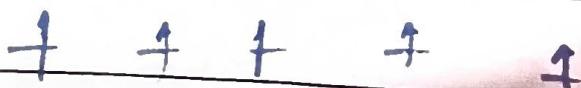
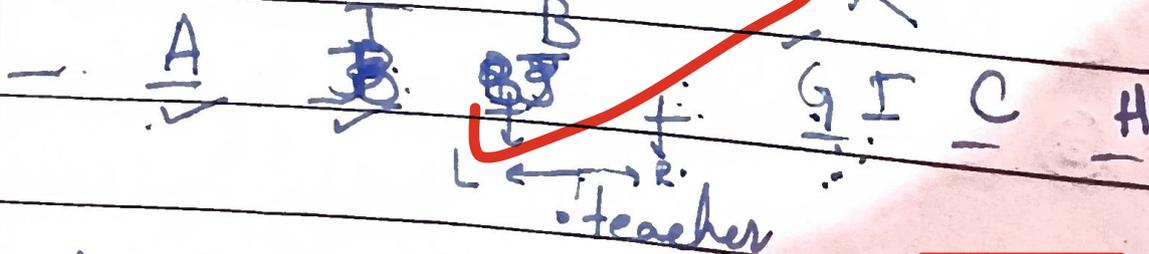
(K) A J B _____ I G C H I

(a) B & I are in the middle

Seq.	Students
1.	E
2.	K
3.	A
4.	B
5.	I
6.	G
7.	C
8.	H
9.	D
10.	F



Rough Work



(SS)

5 girls A, B, C, D & 4 boys W, X, Y, Z have to

on a trip in 3 cars. Following restrictions for each car can be observed. ① 3 persons can sit in

① boy and ① girl (atleast) in each car ② A & D (together)

③ cannot sit with B/C in same car.

Distribute boys & girls in 3 cars.

Solution:

- ① ADZ
- ② BCX
- ③ EWY

(3)

Row

A

B

C

D

E

F

ADZ

B+C

Q: (10)

5 girls A, B, C, D, E & 4 boys W, X, Y, Z have to go on a trip in 3 cars. Following restrictions for seating in the cars can be observed.

- 3 persons can sit in one car
- 1 boy and 1 girl (atleast) in each car
- A & D (together)
- X cannot sit with B/C in same car.

Distribute boys & girls in 3 cars.

Solution:

- ADZ
- BCX
- EWX

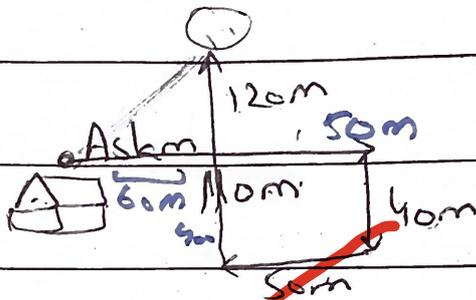
Row

A	W
B	X
C	Y
D	Z
E	
F	
ADZ	B + C

2

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→ From his morning walk Islam went 110m towards east from his house & then turned right to keep walking for 40m before turning right again. After continuing to walk for 50m, he turned right again & kept walking for another 120m, before he sat down on a bench at a park. How far was the bench located from his house?



Using Pythagoras theorem

$$H^2 = B^2 + P^2 \Rightarrow H^2 = (60)^2 + (120)^2$$

$$H^2 = 3600 + 14,400 \Rightarrow 18,000$$

$$\sqrt{H^2} = \sqrt{18,000} = \text{---}$$

2