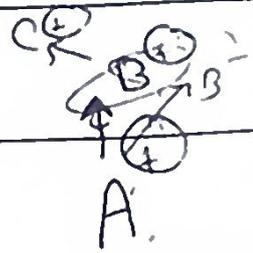


→ (Homework) ←

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



Answer:

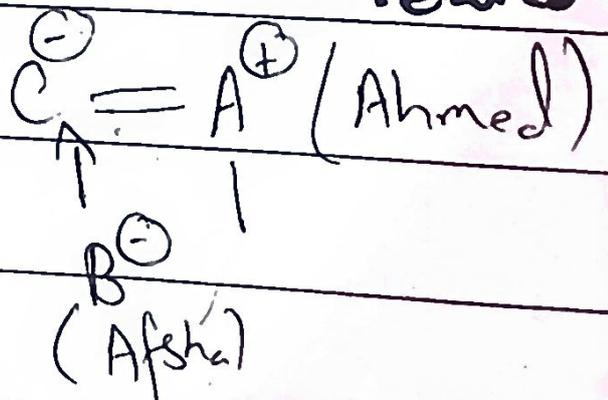
Danish's ~~maternal~~ Son

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 Ahmed.

(SS)

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

① 3 persons can sit in each car

② 1 boy and 1 girl (at least) in each car

③ A & D (together) cannot sit with B/C in same car.

Distribute boys & girls in 3 cars.

Solution:

- ① ADZ
- ② BCX
- ③ EWT

Row
A
B
C
D
E
W
X
ADZ
BC

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 (at least) in each car
- A & D (together)
- X cannot sit with B/C in same car.

Distribute boys & girls in 3 cars.

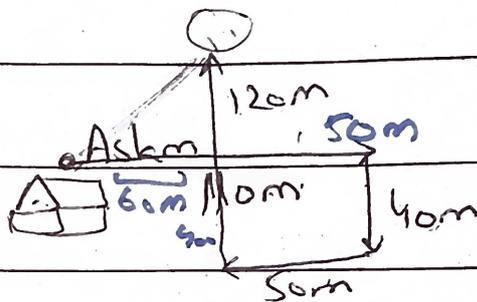
Solution:

- ADZ
- BCX
- EWX

Row

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

→ 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

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

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

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