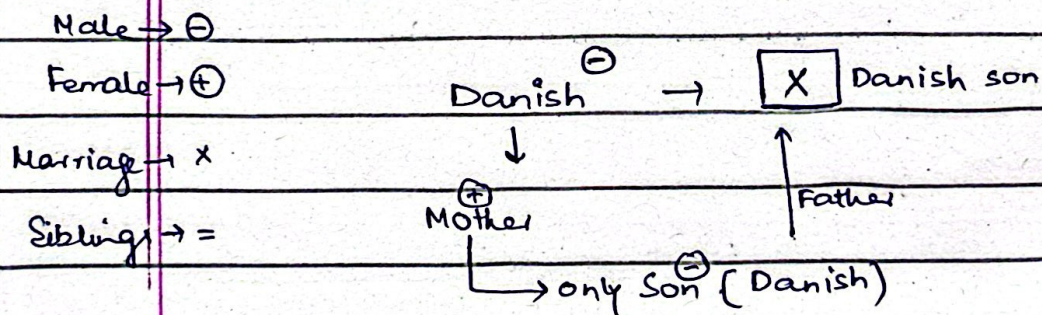


Assignment

Blood relations

QNO1:

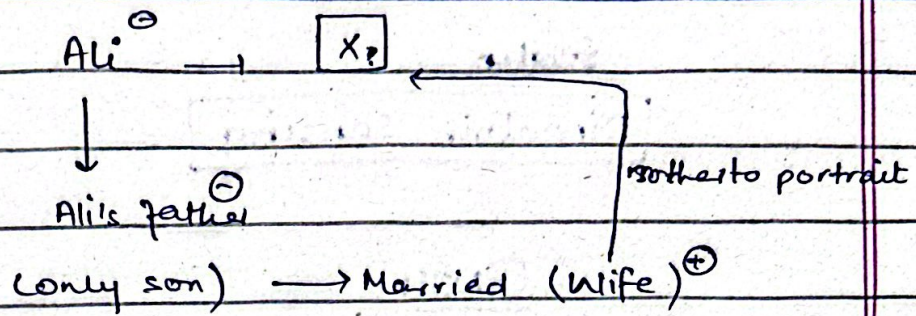
Pointing at a photo, Danish said, "His father is the only son of my mother". The photo belongs to?



The photo belongs to Danish's son.

QNO2:

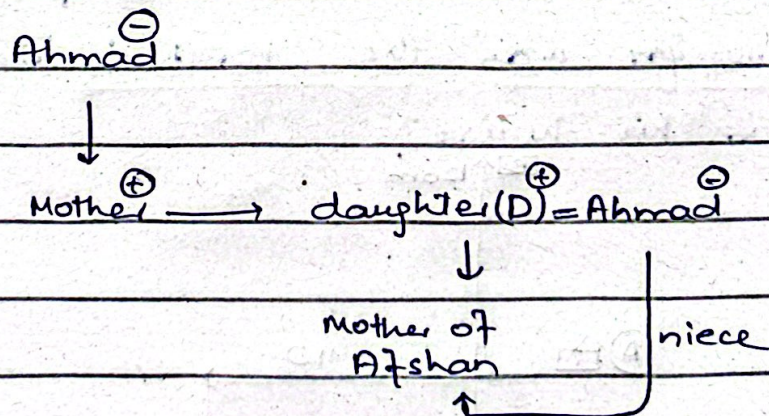
Looking at a portrait of a man, Ali said, "His mother is the wife of my father's son. Brother and sisters I have none." At whose portrait was Ali looking?



The portrait is of Ali's son.

QND3:

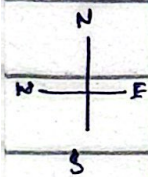
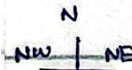
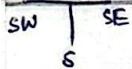
If Ahmad says, "Afsha's mother is the only daughter of my mother. How is Ahmad related to Afshan?"



Afshan is the niece of Ahmad.

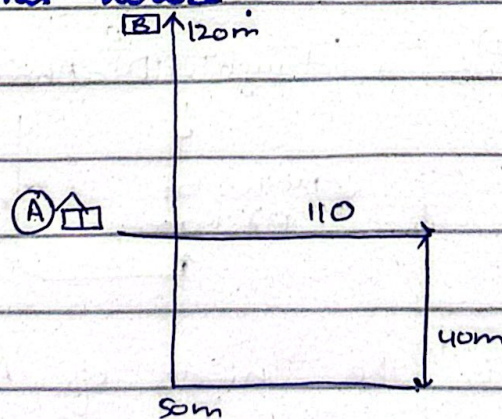
~~Section~~

Direction Sensing



QNO1:

For his morning walk Aslam went 110m towards east from his house and 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 the park. How far was the bench located from his house?



The net eastward displacement $= 110 - 50 = 60\text{m}$

The net westward displacement $= 120 - 40 = 80\text{m}$

Using pythagorean theorem,

$$\sqrt{(60)^2 + (80)^2} = \sqrt{3600m^2 + 6400m^2} = 100m$$

Seating Arrangement

QNO1:

Eleven students A, B, C, D, E, F, G, H, I, J & K are sitting in a row facing towards a teacher.

D is immediate left to F, is 2nd right to C. A is 2nd right to E, who is at one end. J is neighbour of A & B third to left of G. H is on left of D & third to right of I. who is in the middle.

→ Taking the clue, E is at one end and A is second right to E.

North
← →
↑
E B A

→ J is the neighbour of A and B third to the left of G.

E B A J

- D who is immediate left to F is the second right to C.

C D F

- H is on left of D and third to the right of I

E B A I I C H D E

- B third to the left of G
E B A I G I C H D E

- Remaining is one alphabet and one letter
 one letter is K

- Sequence becomes
E B A I G I K C H D E

↓

in middle is "I"

QND2:

Five girls A, B, C, D, E & four boys W, X, Y, Z have to go on a trip in 3 cars. Restrictions for seating in car are:

1. Only 3 persons can sit in one car.
2. Atleast one boy & one girl in each car
3. A & D should remain together.

4. Z cannot sit with B/C. in same car.

Distribute boys and girls in 3 cars.

	Car-1	Car-2	Car-3
Seat#1	A (girl)	B (girl)	Z (Boy)
Seat#2	D (girl)	C (girl)	E (girl)
Seat#3	W (Boy)	X (Boy)	Y (Boy)

One girl and one boy in each of three cars.

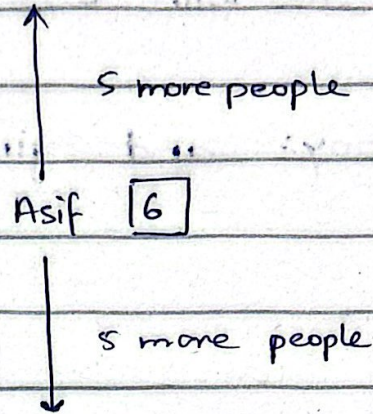
A and D are together in Car # 1.

Z is not sitting with B or C.

QNO3:

If Asif standing in a queue in such a way that he is 6th in queue from either side, how many people are standing in queue?

Asif is 6th in queue from one side so, 5 people are in front of him.



Similarly, S more people are behind him from other end as he is 6th in queue.

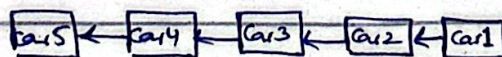
So, total no of people standing in queue.

$$S + S + 1 = 11.$$

QNO4:

If five cars are parked bumper to bumper, how many bumpers are touching each other?

Five cars are parked bumper to bumper as below.



So, according to this, 2 bumpers per car excluding one-one bumper of car 1 and 5, we got total $10 - 2 = 8$

8, basically, 8 bumpers are touching each other.

