

Example 3: (Assignment) ✓ IMS uploaded

Introducing Saad, Amina said, his brother's father is the only son of my grandfather. How Amina is related to Saad?

①

- logical problem
- Single blood relation

• [Introducing Saad, Amina said, his brother's father is the only son of my grand father] How amina is related to Saad?

- Only son of amina's grand father = Amina's father

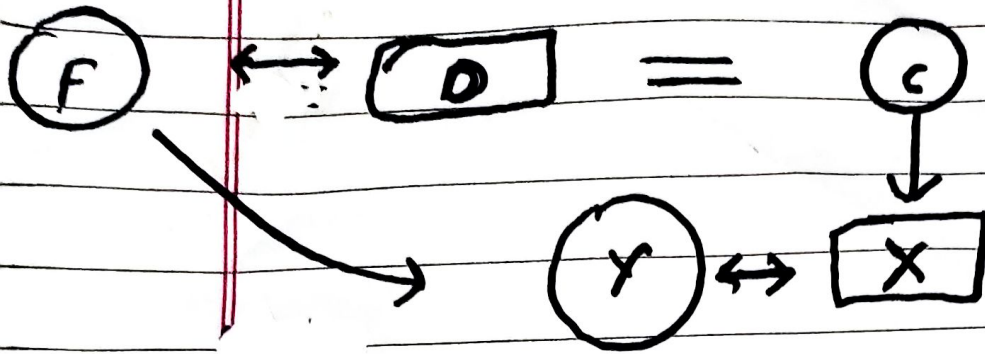
- Saad's brother is the brother of amina

So, Saad is the brother of Amina

mixed blood relations

Example 5

**X, Y are brother-sister C & D are wife and husband. X is the son of 'C' and 'F' is sister of 'D. How 'Y' is related to 'F'?**



Niece

So, Y is the niece of F.

CD are the parents of YX and F is the sister of D. Therefore, Y who is female, is the niece of F.

**CMS ✓**  
31) If  $A+B$  means A is the brother of B;  $A-b$  means A is the sister of B and  $A \times B$  means A is the father of B. Which of the following means that C is the Son of M?

## Explanation:

- $A \times B$  means  $A$  is the father of  $B$
- $A - B$  means  $A$  is the sister of  $B$
- $A + B$  means  $A$  is the brother of  $B$

$M \times N$  means  $m$  is the father of  $N$

$N - C$  means  $n$  is the sister of  $C$

$C + F$  means  $c$  is the brother of  $F$

$n$  who is the daughter of  $m$  and sister of  $C$ . Therefore,  $C$  who is the brother of  $N$  and  $F$ , is the son of  $m$

So,  $C$  is the son of  $m$  or  $m$  is the father of  $C$