

Blood Relations

Problems on Blood Relations involve analysis of information showing blood relationship among members of a family. In the questions, as chain of relationship is given in the form of information and on the basis of these information relation between any two members of the chain is asked. Students are supposed to be familiar with the knowledge of different relationship in a family.

Grandfather's son	Father or uncle
Grandmother's son	Father or uncle
Grandfather's only son	Father
Grandmother's only son	Father
Mother's or Father's mother	Grandmother
Mother's or Father's father	Grandfather
Grandfather's only daughter-in-law	Grandmother
Grandmother's only daughter-in-law	Mother
Mother's or Father's son	Brother
Mother's or Father's daughter	Sister
Mother's or Father's sister	Sister-in-law
Son's wife	Daughter-in-law
Daughter's husband	Son-in-law
Brother's son	Nephew
Brother's daughter	Niece
Uncle or Aunt's son or daughter	Cousin
Sister's husband	Brother-in-law
Brother's wife	Sister-in-law

Ex 1. If “P \$ Q” means P is the father of Q, “P # Q” means P is mother of Q & “P * Q” means P is the sister of Q. Then, how is Q related to N if N # L \$ P * Q ?

(A) grandson (B) granddaughter (C) nephew (D) data inadequate

Sol. (D) The sex of Q is not given hence the exact relationship between N & Q cannot be established.

Ex 2. Pointing towards a man in the photograph, lady said “the father of his brother is the only son of my mother”. How is the man related to day ?

(A) Brother (B) Son (C) Cousin (D) Nephew

Sol. (D) The father of this brother means “his father” is the only son of my mother means “my brother”. If means lady is the father’s sister of the man’s father.

Directions : (3 to 6)

A + B means ‘A is father of B’

A - B means ‘A is wife of B’

A × B means ‘A is brother of B’

A ÷ B means ‘A is daughter of B’

Ex 3. P ÷ R + S + Q, which of the following is true ?

(A) P is daughter of Q (B) Q is aunt of P
(C) P is aunt of Q (D) P is mother of Q

Sol. (C) ‘S + Q’ & R + S’ means R is the grandfather of Q. Now P ÷ R means P is daughter of R. This clearly means P is aunt of Q

Ex 4. If P - R + Q, which of the following is true?

(A) P is mother of Q (B) Q is daughter of P
(C) P is aunt of Q (D) P is sister of Q

Sol. (A) P - R + Q, represents R is the father of Q, and P is the wife of R, therefore, P is the mother of Q

Ex 5. $P \times R \div Q$, which of the following is true ?

- (A) P is uncle of Q (B) P is father of Q
(C) P is brother of Q (D) P is son of Q

Sol. (D) R is the daughter of Q & P is brother of R, therefore, P is son of Q.

Ex 6. If $P \times R - Q$, which of the following is true?

- (A) P is brother-in-law of Q (B) P is brother of Q
(C) P is uncle of Q (D) P is father of Q

Sol. (A) Clearly, P is related as brother-in-law to Q.

Ex 7. Soni, who is Dubey's daughter, says to Preeti, "Your mother Shyama is the youngest sister of my father, Dubey's Father's third child is Prabhat"/ How is Prabhat related to Preeti ?

- (A) Uncle (B) Father (C) grandmother (D) Father-in-law

Sol. (A) Preeti's mother shyama is youngest sister of Dubey & sister of Prabhat. Therefore, Prabhat Preeti's uncle.

Ex 8. Pointing towards a man in the photograph, Archana said, "He is the son of the only son of my grandmother"/How is man related to Archana ?

- (A) Cousin (B) Nephew (C) Brother (D) Son

Sol. (C) Only son of Archana's grandfather means Archana's father & his son is Archana's brother.

Ex 9. Pointing towards a woman in the photograph, Rajesh said "the only daughter of her grandfather (Paternal) is my wife". How is Rajesh related to that woman?

- (A) Uncle (Fufa) (B) Father (C) Husband (D) Brother

Sol. (A) Rajesh is the husband of woman's father sister.

PRACTICE EXERCISE

1. Akash said to Mohit, "That boy in blue shirt is younger of the two brothers of the daughter of my father's wife". How is the boy in blue shirt related To Aakash".
(A) Father (B) Uncle (C) Brother (D) Nephew
2. Pointing to a person, Rohit said to Neha 'His mother is the only daughter of your father, "How is Neha related to that person ?
(A) Aunt (B) Mother (C) Daughter (D) Wife
3. 'P + Q' means 'P is the brother of Q'. 'P - Q means P is the mother of Q and 'P × Q' means 'P is the sister of Q'. Which of the following means that M is the maternal uncle of R ?
(A) M - R + K (B) M + K - R (C) M + K × Q (D) None of these
4. 'A + B' means 'A is the son of B', 'A - B' means 'A is the wife of B'. 'A × B' means 'A is the brother of B', 'A ÷ B' means 'A is the mother of B', 'A = B' means 'A is the sister of B'. Which of the following represents P is the maternal - uncle of Q ?
(A) R × P ÷ Q (B) P × R ÷ Q (C) P + R ÷ Q (D) P + R × Q
5. Amit said, "This girl is the wife of the grandson of my mother." How is Amit related to the girl ?
(A) Father (B) Father-in-law (C) Grandfather (D) Husband
6. Neelam, who is Rohit's daughter, says to Indu, "Your mother Reeta is the younger sister of my father, who is the third child of Sohanji. " How is Sohanji related to Indu ?
(A) Maternal-uncle (B) Grandfather (C) Father (D) Father-in-law
7. Pointing to a girl in the photograph, Ramesh and "Her mother's brother is the only son of my mother's father"/ How is the girl's mother related to Ramesh ?
(A) Mother (B) Sister (C) Aunt (D) Grandmother

8. Pointing to a man in a photograph, Anita said “His brother’s father is the only son of my grandfather”. How is the Antia related to the man in the photograph ?
(A) Mother (B) Aunt (C) Sister (D) Daughter
9. Pointing to his son’s portrait, a man said to a woman, “His mother is the only daughter of your mother”. How was the woman related to the man ?
(A) Sister (B) Mother (C) Wife (D) Daughter
10. Introducing a man, a woman said, “his wife if the only daughter of my father”. How that man was related to the woman ?
(A) Brother (B) Father-in-law (C) Maternal Uncle (D) Husband
11. If anil is the brother of the son of Sunil’s son, what is the relationship between Anil and Sunil ?
(A) Cousin (B) Brother (C) Nephew (D) Grandson
12. Pointing to a person, a man said to a woman, “His mother is the only daughter of your father”. How was the woman related to the person ?
(A) Sister (B) Mother (C) Wife (D) Daughter

Directions : (13 to 15), *P, Q, R, S, T, U, V & W are the family members. Q is the sister of V and V is the brother of R. T is the wife of P, whose father is W. S is the husbands of Q and U is the son of V. P is the father of Q.*

13. How U is related with T ?
(A) Son (B) Mother (C) Grandson (D) Nephew
14. How S is related with R ?
(A) Son (B) uncle (C) Son (D) Brother
15. How W is related with R ?
(A) Grand father (B) Uncle (C) Son (D) Brother

Directions : (16 to 18) A,B,C,D,E & F are related to each other as given here. B is F's daughter-in-law. D is A's only grandchild. C is D's only uncle. A has two children F and C, one male & one female (not necessarily in the same order). E is the Father of C.

16. Who is the grandmother of D ?

- (A) B (B) A (C) C (D) D

17. Who is the mother-in-law of B ?

- (A) C (B) D (C) E (D) F

18. If a girl G is married into the family, what is the relationship between G and D ?

- (A) Mother (B) Aunt (C) Mother-in-law (D) Grand mother

Directions : (19 to 22) Read the following information carefully and answer the questions given below : There are six children playing football namely A,B,C,D,E and F. A and E are brother. F is the sister of E. C is the only son of A's uncle. B and D are the daughters of the brother of C's father.

19. How is C related to F ?

- (A) Cousin (B) Brother (C) Son (D) Uncle

20. How many male players are there ?

- (A) One (B) Three (C) Five (D) Six

21. How many female players are there ?

- (A) Two (B) Three (C) Five (D) One

22. How is related to A ?

- (A) Uncle (B) Sister (C) Niece (D) Cousin

Directions : (23 to 28) Read to following information carefully and answer the questions given below it:

A family consist of six members P,Q,R,X,Y and Z. Q is the son of R but R is not mother of Q. P and R are married couple. Y is the brother of R. X is the daughter of P. Z is the brother of P.

- 23.** Whose is the brother-in-law of R ?
(A) P (B) Z (C) Y (D) X
- 24.** Whose is the father of Q ?
(A) R (B) P (C) Z (D) None of these
- 25.** How many children does P have ?
(A) One (B) Two (C) Three (D) Four
- 26.** How many female numbers are there in the family ?
(A) One (B) Two (C) Three (D) Four
- 27.** How is Q related to X ?
(A) Husband (B) Father (C) Brother (D) Uncle
- 28.** Which is pair of brothers ?
(A) P and X (B) P and Z (C) Q and X (D) R and Y