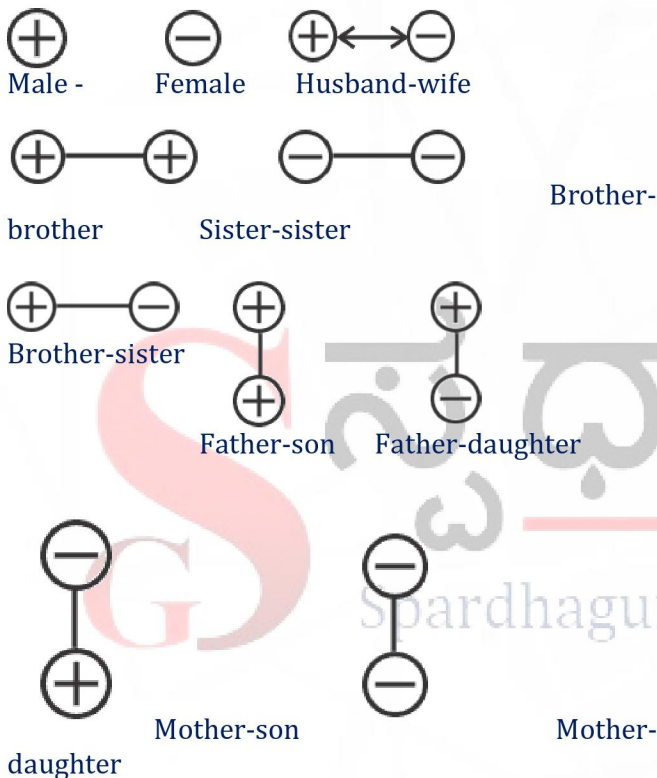


### Questions based on Relation Puzzles

In this type of blood relation questions, there will be more than one piece of information in the form of a puzzle. Given based on the information, you are required to deduce the relation between the two individuals. Then draw the family tree which should be same as asked by question to find the answer easily.



### Examples related symbols with meanings:

$A^{\oplus}$  A is male

$B^{\ominus}$  B is female

$A^{\oplus} \longleftrightarrow B^{\ominus}$  A is husband & B is wife

$C^{\oplus} - D^{\oplus}$  C & D are brothers

$E^{\ominus} - D^{\oplus}$  E is the sister of D

$A^{\oplus} \longleftrightarrow B^{\ominus}$   
 $E^{\oplus}$  E is the daughter of A & B

In your own language you may know all types of relations. In English also you should know all types of relation without any doubt. Some important relations are provided below. You should remember these relations to solve these types of problems.

Mother's or father's son → Brother  
Mother's or father's daughter → Sister  
Mother's or father's brother → Uncle  
Mother's or father's sister → Aunt  
Mother's or father's father → Grandfather  
Mother's or father's mother → Grandmother  
Son's wife → Daughter-in-law  
Daughter's husband → Son-in-law  
Husband's or wife's sister → Sister-in-law  
Husband's or wife's brother → Brother-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  
Grandson's or Granddaughter's daughter → Great Grand daughter

### Type of Problems

- Single Person Blood Relations
- Indirect Blood Relations
- Relation Puzzle
- Coded Blood Relations
- Blood Relations with circular arrangement

### Single Person Blood Relations

1. A is 'B' daughter. B is C's mother. D is C's brother. How is D related to A?

- (1) Father
- (2) Grandfather
- (3) Brother





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(4) Son

2. P is Q's brother; R is Q's mother. S is R's father. T is S's mother. How is P related to T?

- (1) Granddaughter
- (2) Great grandson
- (3) Grandson
- (4) Grandmother

3. A is B's brother. C is D's father. E is B's mother. A and D are brothers. How is E related to C?

- (1) Sister
- (2) Sister-in-law
- (3) Niece
- (4) wife

4. A is the sister of B. B is the brother of C, C is the son of D. How is D related to A?

- (1) Mother
- (2) Daughter
- (3) Son
- (4) Father

5. B is the brother of A, whose only sister is mother of C, D is maternal grandmother of C. How is A related to D?

- (1) Daughter-in-law
- (2) Daughter
- (3) Aunt
- (4) Nephew

6. A and B are sisters. R and S are brothers. A's daughter is R's sister. What B's relation to S?

- (1) Mother
- (2) Grandmother
- (3) Sister
- (4) Aunt

7. E is the sister of B. A is the father of C. B is the son of C. How is A related to E?

- (1) Grandfather
- (2) Grandmother
- (3) Father
- (4) Great-grandfather

8. A is B's brother, C is A's mother, D is C's father, E is B's son, how is D related to A?

(1) Son

(2) Grandson

(3) Grandfather

(4) Great Grandfather

9. A is the mother of B, C is the son of A, D is the brother of E, E is the daughter of B, Who is the grandmother of D?

- (1) A
- (2) B
- (3) C
- (4) D

10. A is D's brother. D is B's father. B and C are sisters. How is A related to C?

- (1) Son
- (2) Grandson
- (3) Father
- (4) Uncle

11. A is B's sister, C is B's mother, D is C's father, E is D's mother, then how is A related to D?

- (1) Grandfather
- (2) Daughter
- (3) Grandmother
- (4) granddaughter

12. F is the brother of A, C is the daughter of A, K is the sister of F, G is the brother of C, who is the uncle of G?

- (1) A
- (2) C
- (3) K
- (4) F

## Indirect Blood Relations

1. Suresh introduces a man as "He is the son of woman who is the mother of the husband of my mother". How is Suresh related to the man?

- (1) Uncle
- (2) Son
- (3) Cousin
- (4) Grandson







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2. Pointing to a lady in a photograph. Meera said, "Her father's only son's wife is my mother-in-law". How is Meera's husband related to that lady in the photo?

- (1) Nephew
- (2) Uncle
- (3) Son
- (4) Father

3. Pointing to a photograph Vikas said "She is the daughter of my grandfather's only son". How is the related to Vikas in the photograph?

- (1) Father
- (2) Brother
- (3) Sister
- (4) Mother

4. Suresh's sister is the wife of Ram. Ram is Rani's father is Madhur. Sheetal is Ram's grandmother. Rema is Sheetal's daughter-in-law. Rohit is Rani's brother's son. Who is Rohit to Suresh?

- (1) Brother-in-law
- (2) Son
- (3) Brother
- (4) Nephew

5. Vinod introduce Vishal as the son of the only brother of his father's wife. How is vinod related to Vishal?

- (1) Cousin
- (2) Brother
- (3) Son
- (4) Uncle

6. Looking at a photograph a person said "I have no brother or sister but that man's father is my father's son". At whose photograph was the person looking at?

- (1) His son's
- (2) His nephew
- (3) His father's
- (4) His own

- a) 4
- b) 8
- c) 12
- d) 17

2. A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C?

- a) Father
- b) Brother
- c) Grandfather
- d) Uncle
- e) None of these

3. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?

- a) Grandmother
- b) Grandfather
- c) Daughter
- d) Grand daughter

4. Read the following information carefully and answer the questions given below:

Ravi is the son of Aman's father's sister. Sahil is the son of Divya who is mother of Gaurav and grandmother of Aman. Ashok is the father of Tanya and grandfather of Ravi. Divya is the wife of Ashok.

1. How is Ravi related to Divya?

- a) Nephew
- b) Grandson
- c) Son
- d) Data inadequate
- e) None of these

2. How is Gaurav's wife related to Tanya?

- a) Niece
- b) Sister
- c) Sister-in-law
- d) Data inadequate
- e) None of these

## RELATION PUZZLE

1. A family has a man, his wife, their four sons and their wives. The family of every son also has 3 sons and one daughter. Find out the total number of male members in the whole family.







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5. 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 brothers. 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.

1. How is C related to F?

- a) Cousin
- b) Brother
- c) Son
- d) Uncle
- e) None of these

2. How many male players are there?

- a) one
- b) three
- c) Four
- d) Five
- e) Six

3. How many female players are there?

- a) One
- b) Two
- c) Three
- d) Four
- e) Five

4. How is D related to A?

- a) uncle
- b) sister
- c) Niece
- d) Cousin
- e) none of these

6. Read the following information carefully and answer the question given below:

Prashant Arora has three children - Sangeeta, Vimaln and Ashish. Ashish married Monika, the eldest daughter of Mr. and Mrs. Roy. The Roys married their youngest daughter to the eldest son of Mr. and Mrs. Sharma, and they had two children named Amit and Shashi. The Roys have two more

children, Roshan and Vandana, both elder to Veena. Sameer and ajay are sons Ashish and Monika. Rashmi is the daughter of amit.

1. What is the surname of rashmi?

- a) Sharma
- b) Roy
- c) Arora
- d) Cannot be determined

2. How is Sameer related to Monika's father?

- a) Grandson
- b) Son
- c) Cousin
- d) Son-in-law
- e) None of these

3. What is the surname of Sameer?

- a) Roy
- b) Sharma
- c) Arora
- d) cannot be determined
- e) None of these

## Coded Blood Relations

1. 'P - Q' means 'P is the mother of Q', 'P × Q' means 'P is the father of Q' and 'P + Q' mean 'P is the daughter of Q'. Now if M - N × T + Z, then with of the following is not true.

- a) T is N's daughter
- b) N is wife of Z
- c) M is mother-in-law of Z
- d) T is grand daughter of M.

Directions (Questions 2 - 3) : Read the following information carefully and answer the questions given below :

- 'P # Q' means 'P is the father of Q'.
- 'P + Q' means 'P is the mother of Q'.
- 'P - Q' means 'P is the brother of Q'.
- 'P \* Q' means 'P is the sister of Q'.







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**Blood Relations with circular arrangement**

2. If  $A + B \# C - D$ , then A is D's

- a) father
- b) grandfather
- c) sister
- d) grandfather

3. Which of the following shows that A is the aunt of E?

- a)  $A + B - C * D \# E$
- b)  $A \# B * C + D - E$
- c)  $A * B \# C * D - E$
- d)  $A - B + C \# D * E$

Directions (questions 4 to 5) : Following questions are based on the information given below :

- i) ' $P \times Q$ ' means 'P is the father of Q'.
- ii) ' $P - Q$ ' means 'P is the sister of Q'.
- iii) ' $P + Q$ ' means 'P is the mother of Q'.
- iv) ' $P \div Q$ ' means 'P is the brother of Q'.

4. In the expression  $B + D \times M \div N$ , how is M related to B?

- a) Grand daughter
- b) Son
- c) grandson
- d) granddaughter or grandson
- e) none of these

5. Which of the following represents 'J is son of F'.

- a)  $J \div R - T \times F$
- b)  $J + R - T \times F$
- c)  $J \div M - N \times F$
- d) cannot be determined
- e) None of these

6. Which of the following represents 'R is niece of M'?

- a)  $M \div K \times T - R$
- b)  $M - J + R - N$
- c)  $R - M \times T \div W$
- d) Cannot be determined
- e) None of these

1. In a family 8 persons A to H are sitting around circular table. Facing the circle but not necessarily in the same order. Their arrangement is as follows.

- D's father is sitting 2<sup>nd</sup> to the left of his nephew.
- B is the Son of F. Who is the 2<sup>nd</sup> right of her Son.
- D is the father of G. And 2 persons sit b/w G & E. D's wife is Opp to E.
- E's brother, B is the immediate neighbour of C's Son. B is the father of H. no male is adjacent of C.
- F is the sister of C and C is not sitting 2<sup>nd</sup> to the right of B.

2. P, Q, R, S, T, U, V & W are sitting around a circular table facing centre. But not necessarily in the same order. The husband of V is 2<sup>nd</sup> to the right of Q. Who sits b/w two males. T sits 2<sup>nd</sup> to the left of the daughter of S. T is sister of U but is not the immediate neighbour of V's husband. Only the person sits b/w P & T. P is the father of U. S Who is the brother of V sits on immediate left of his mother. Only person sits b/w V's mother and W. Only one person sits b/w V and U. U is mother of R and is not immediate neighbour of W.

3. A to H are sitting around circular table facing the centre but not necessary in the same order.

- B sits 2<sup>nd</sup> to the left of H's husband. No Female is an immediate neighbour of B.
- D's daughter sits 2<sup>nd</sup> to the right of F. F is the sister of G. F is not an immediate neighbour of H's husband.





- Only one sits b/w A & F. A is the father of G. H's brother D sits to the immediate left of H's mother. Only one person sits b/w H's mother and E.
- Only one person sits b/w H & G. G is the mother of C. G is not an immediate neighbour of E.

**Directions (Q no 4 to 8)**

The Mishra family went to the photographer for their family photograph. The photographer arranged them in a straight row facing the North. The family members were Anshu, Rama, Krishna, Deva and Sonu.

- Anshu was sitting third to the right of his daughter.
- Rama was sitting on the immediate right of Krishna, whose husband was the brother of Rama.
- Anshu and Sonu were immediate neighbours.
- Deva was not an immediate neighbour of Anshu's son.
- Deva was sitting at the left end and the mother of Deva is Krishna, who was the wife of Anshu.
- Rama and Anshu were immediate neighbours.

- b) Father
- c) Brother ✓
- d) Sister
- e) None of these

6. If the positions of Rama and Sonu are interchanged, then who among the following sits on the immediate left of Sonu's father?

- a) Krishna
- b) Deva
- c) Rama
- d) Sonu ✓
- e) None of these

7. How is Krishna related to Rama?

- a) Daughter
- b) Sister in law ✓
- c) Sister
- d) Wife
- e) None of these

8. What is the position of son of Krishna with respect to father of Deva?

- a) Immediate left
- b) Second to the left
- c) Immediate right ✓
- d) Second to the right
- e) None of these

**Directions (Q No 9 to 13)**

A, B, C, D, E, F, G and H are sitting around a circle facing the centre but not necessarily in the same order. Each of them has a relationship with A. G is sitting second to the left of father of A. F is immediate neighbour of A. D, mother of A is sitting opposite to the sister of A. B is sitting to the immediate right of wife of A. E who is a male is sitting second to the right of mother of C. Brother of A is sitting third to right of B. Daughter of A is sitting to third to right of sister of A. A is sitting second to the right of daughter of E. E is sitting to the immediate left of sister of A.

4. How is Deva related to the person who sits in the middle of the row?

- a) Brother
- b) Sister
- c) Daughter
- d) Son
- e) None of these ✓

5. How is Anshu related to the person who sits second to the left of Sonu?

- a) Mother







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9. Who is the mother of H?

- a) F      b) G      c) C  
d) D✓      e) None of these

10. Who is the grand daughter of E?

- a) B      b) C ✓      c) D  
d) G      e) None of these

11. Who is sitting second to the right of F' sister?

- a) wife of A      b) brother of C  
c) daughter of A      d) father of B ✓  
e) None of these

12. How many persons are sitting between A's wife and D's husband when counted from right of A's wife?

- a) None      b) One ✓      c) Two  
d) Three      e) More than three

13. What is the position of G's daughter with respect to D's daughter?

- a) third to left  
b) second to left  
c) third to right ✓  
d) second to right  
e) fourth to right

left of Y.T's father sits to the immediate right of W. T sits second to the right of S's father. Both the immediate neighbours of X are females.

14) Who sits immediate left of U's brother?

15) How many persons sit between W and V?

16) Who is facing centre?

17) Who is the father of S?

18) If all persons are arranged in alphabetical orders stating from right side of S excluding S, who remains unchanged?

Eight family members S, T, U, V, W, X, Y and Z are sitting around a circular table but not necessarily in the same order. Some of them are females and some are males. all of them are related to each other in the same way or the other. Some of them are facing centre While some are facing outside.

Only two people sit between T and W.T faces centre. X sits second to right of T.W is the wife of S. No female is an immediate neighbour of W.U is not an immediate neighbour of T.U is the daughter of W. Both the immediate neighbours of U face the centre. Only three people sit between S and U's brother. X is not the brother of U. Neither S nor U's brother is an immediate neighbour of X. Z, the wife of T, sits to the immediate left of V. Both Y and S face a direction opposite to that of U.U's husband sits second to the

