

4. Blood Relations

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 Grand daughter's daughter	Great grand daughter

Few more rules to be followed while solving blood relations questions.

*Keep a notation for gender ex MALE '+' and Female '-'.

* Try to create a family tree for the questions by creating your own notation for blood relations.

Ex. A and B is brothers $A^{(+)} + B^{(+)}$

A is wife of B..... $A^{-} \times B^{(+)}$

A is son of B..... $B \rightarrow A^{+}$ similarly if A is grandson of C ... $C \rightarrow \rightarrow A^{+}$ which shows two generations gap.

This way tries to keep the things given questions in notation of your own.

* Sometimes using gender we can eliminate the wrong answers.

Exercise –A

Directions (Q. 1-4): Read the following information Carefully and answer the questions given below it.

P/Q means P is 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

1. If $A+B/C-D$, then A is D's

1. sister 2. grandfather 3. grandmother 4. father 5. None of these

2. If $A*B/C-D+E$, then A is E's

1. grand-aunt 2. brother 3. Maternal uncle 4. mother 5. None of these

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

1. $A-B+C/D*E$ 2. $A*B/C*D-E$ 3. $A/B*C+D-E$ 4. $A+B-C*D/E$ 5. None of these

4. $P-Q$ means Q is son of P and $P*Q$ means P is brother of Q, P/Q means Q is sister of P, and $P+Q$ means P is mother of Q. Which of the following is definitely true about $N*K-M/L$?

1. K is father of L and M
2. L is the daughter of K and is the niece of her uncle N
3. K is the father of M and L-his son and daughter respectively
4. M is the uncle of K's brother N
5. None of these

Directions(Q. 5-9): Study the information given below and answer the questions given below:

$A+B$ means A is the daughter of B.

$A-B$ means A is the husband of B.

$A*B$ means A is the brother of B.

5. If $P+Q-R$, which of the following is true?

1. R is the mother of P 2. R is the sister in law of P 3. R is the aunt of P
4. R is the mother in law of P 5. none of these

6. If $P*Q+R$, which of the following is true?

1. P is the brother of R 2. P is the uncle of R 3. P is the son of R
4. P is the father of P 5. None of these

7. If $P+Q*R$, which of the following is true?

1. P is the niece of R 2. P is daughter of P 3. P is the cousin of R
4. P is the daughter in law of R 5. None of these

8. If $P+Q$ means P is the husband of Q; P/Q means P is the sister of Q and $P*Q$ means P is the son of Q, which of the following shows A is the daughter of B?

1. $C*B/A$ 2. $B+C*A$ 3. $D*B+C/A$ 4. $A/D*B$ 5. None of these

9. $X-Z$ means X is the mother of Z; $X\&Z$ means X is the father of Z and $X+Z$ means X is the daughter of Z. Now, if $M-N*T+Q$, then which of the following is not true?

1. T is N's daughter 2. N is wife of Q 3. M is mother in law of Q

4. Q is wife of N 5. None of these

Directions(Q. 10-12): Read the following information to answer the questions:

A+B means A is the father of B

A-B means A is the sister of B

A*B means A is the husband of B

A/B means A is the wife of B

10. Which of the following means S is granddaughter of R?

1. R+P/Q+S 2. K/R+P*Q-L+S 3. K/R+P/Q+S-L 4. can't be determined
5. None of these

11. Which of the following means P has a blood relationship with Q?

1. R/P+K*L-M+Q 2. R/P+K/L+Q-M 3. R/P+K-L*M-N+Q 4. R/P+K*L-Q
5. None of these

12. Which of the following means P is grandmother of Q?

1. P/R+S*T-U*Q 2. P/R+S+T/Q 3. P/R+S+B+K*L-Q 4. P/R+S-T+Q*U
5. None of these

Directions (Q.13-14): Read the following information carefully and answer the questions given below it.

A-B means A is the sister of B

A*B means A is the husband of B

A/B means B is the brother of A

A+B means B is the mother of A

13. If P+Q-R/S*T, then R is T's

1. brother in law 2. Sister in law 3. Either brother in law or sister in la
4. Can't be determined 5. None of these

14. Which of the following shows N is the mother in law of K?

1. K/L*M+N 2. K*L-M+N 3. K-L+M*N 4. K/L+M*N 5. None of these

Directions(Q.15-16): Read the following information carefully and answer the questions given below it:

A+B means A is the brother of B

A-B means A is the sister of B

A*B means A is the father of B

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A/B means A is the mother of B

15.If $P/Q-R*S$, then P is S's

1. grandmother 2. Maternal grandmother 3. maternal aunt
4. sister 5. None of these

16.Which of the following shows that T is the grandmother of W?

1. $T*U+V/W$ 2. $T*U-V/W$ 3. $T+U/V*W$ 4. $T/U*V-W$ 5. None of these

Directions(Q.17-20): Read the following information carefully and answer the questions given below it:

A+B means A is the sister of B

A-B means A is the father of B

A*B means A is the brother of B

A/B means A is the mother of B

17.If $K/L+M*N$, then K is N's

1. Aunt 2. Uncle 3. Grand aunt 4. Grandmother 5. None of these

18.If $K+L-M*N/P$, then K is P's

1. grand-aunt 2. Grandmother 3. mother 4. sister 5. None of these

19.Which of the following shows that C is the maternal grandfather of F?

1. $C+D-E/F$ 2. $C*D-E+F$ 3. $C*D+E-F$ 4. $C-D/E*F$ 5. None of these

20.If A+B means A is the sister of B; A-B means A is the brother of B; A*B means A is the daughter of B, which of the following shows the relation that E is the maternal uncle of D?

1. $D+F*E$ 2. $D-F*E$ 3. $D*F+E$ 4. $D*F-E$ 5. None of these

Directions(Q. 21-25): Read the following information carefully and answer the questions given below it:

P, Q, R, S, T and X are members of a family. There are two married couples. Q is an engineer and father of T. X is the grandfather of R and is a lawyer. S is the grandmother of T and is a housewife. There is one engineer, one lawyer, one teacher, one housewife and two students in a family.

Question:

21.Who is the husband of P?

1. R 2. X 3. Q 4. S 5. T

22.Which of the following two are married couples?

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1. XS, QP 2. XS, QT 3. XS, RP 4. TS, RX 5. None of these
23. Which of the following is definitely a group of male members?
1. Q,X,T 2. X,T 3. Q,X,P 4. Q,X 5. None of these
24. Who is the sister of T?
1. R 2. S 3. P 4. Data inadequate 5. None of these
25. Which of the following can be P's profession?
1. Housewife 2. Engineer 3. Teacher 4. Engineer or teacher
5. Housewife or teacher
26. Amit said, this girl is the wife of the grandson of my mother.' What is Amit to the girl?
1. father 2. Grandfather 3. husband 4. father in law 5. None of these
27. Pointing to a man in a photograph, a woman said, 'His brother's father is the only son of my daughter.' How is the woman related to the man in the photograph?
1. mother 2. Aunt 3. Sister 4. daughter 5. grandmother
28. Showing the man receiving the prize, Seema said, 'He is brother of my uncle's daughter'. What is the man to Seema?
1. son 2. Brother in law 3. Nephew 4. uncle 5. cousin
29. 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?
1. Aunt 2. Mother 3. Wife 4. daughter 5. None of these
30. Pointing to a lady, a girl said, 'She is the daughter in law of the grandmother of my father's only son.' How is the lady related to the girl?
1. sister in law 2. Mother 3. Aunt 4. mother in law 5. Cousin

Blood Relations Answers

- 1.3; choice 2 and 4 are wrong as A+B means A is a mother, hence a female.
Generation gap between A and D is
 $(+1) + (+1) + (0) = 2$. So, A must be a grandmother
- 2.1; $A * B$ so A is a sister, hence a female. Generation gap. $(0) + (+1) + (0) + (+1) = +2$
So A is E's grandmother's generation.
- 3.2; In choice, 1, generation gap is: $0 + 1 + +1 + 0 = 2$. So, A is E's grandma's generation. In choice 2, gap is $0 + 1 + 0 + 0 = 1$.
In choice 3, gap is $1 + 0 + 1 + 0 = 2$. So, A is E's grandma's generation. So choices, 1,3,4 are eliminated.
Correct choice: 2
- 4.2

5.1; R is mother of P

6.3; P is son of R

7.1; P is niece of R

8.4

9.4

10.3; Choice 1, 2 is not correct as sex of S is not known.

11.4

12.4; If P is to be grandmother of Q, P and Q should have generation gap of 2 between them. Now, out of the given four relationships only one i.e. +(father) has a relationship that has some gap. So a correct answer must have exactly 2+ sign between P and Q. This eliminates choice 1. Again, if Q was to be a grandchild the path between P and Q should have continuous blood relations. But in choice (2), Q and T are not blood related. In choice 3; S and B are not blood related. This leaves choice 4 only

13.3 14.2 15.1 16.4 17.5 18.1 19.4

20.5; All choices are wrong as sex of E is not known is any of them.

21.3 22.1 23.4 24.4 25.3

26.4; mother's grandson → son; son's wife → daughter in law

27.3; only son of woman's grandfather → woman's father; Man's brother's father → Man's father. So, the woman is man's sister.

28.5; Brother of uncle's daughter → uncle's son → Cousin; man is seema's cousin.

29.1; Daughter of your father → your sister; the person's mother is the woman's sister. Woman is person's aunt.

30.2; My father's only son → My brother; Grandmother of my brother → my grandmother; Daughter-in-law of my grandmother → My mother. So, the lady is girl's mother.