

Download Free PDF – 50 Most Asked Blood Relation Questions for SSC CGL

Q1.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A × B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

Based on the above, how is I related to H if 'B + R × I - T ÷ H'?

- (A). Father's father
- (B). Father's sister
- (C). Brother
- (D). Father's brother

Answer: d

Solution:

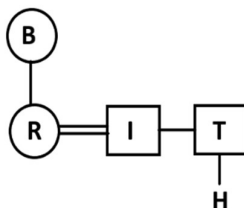
Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

Given,

Relations	Mother	Brother	Wife	Father
Symbols	+	-	×	÷

B + R × I - T ÷ H'?

From the given information possible Family Tree will be:



T is the father of H, and I is the brother of T.

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This means **I is the uncle of H** (father's brother).
Thus, the correct option is: **(d) Father's brother.**
Q2.

Pointing to a photograph, Neha said, "She is the only daughter of my mother's only son." How is the person related to Neha?

- (A). Sister
- (B). Daughter
- (C). Niece
- (D). Neha herself

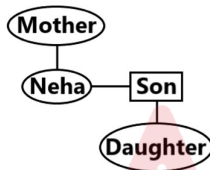
Answer: c

Solution:

Given: Pointing to a photograph, Neha said, "She is the only daughter of my mother's only son."

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information blood relation diagram will be.



So, the person is **niece** of Neha.
Thus, correct option is (c).
Q3.

Q is the mother of T. R is the husband of P. S is the father of Q. T is the brother of P.
How is P related to S?

- (A). Daughter's daughter
- (B). Mother's mother
- (C). Mother's father
- (D). Brother's wife

Answer: a

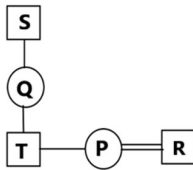
Solution:

Given,

Q is the mother of T.
R is the husband of P.
S is the father of Q.
T is the brother of P.

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
==	Married Couple
—	Siblings
	Difference Of Generation

From the given information possible family tree will be:



S is the grandfather of P, this means P is the granddaughter of S.

So, P is related to **Daughter's daughter** of S

Thus, the correct option is: **(a) Daughter's daughter.**

Q4.

Introducing a boy, a girl says, "He is the son of my mother's only son." Who is the boy to the girl?

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

Answer: c

Solution:

Information Given:

"He is the son of my mother's only son."

Explanation:

Logic: Son of brother = nephew.

Step-by-step:

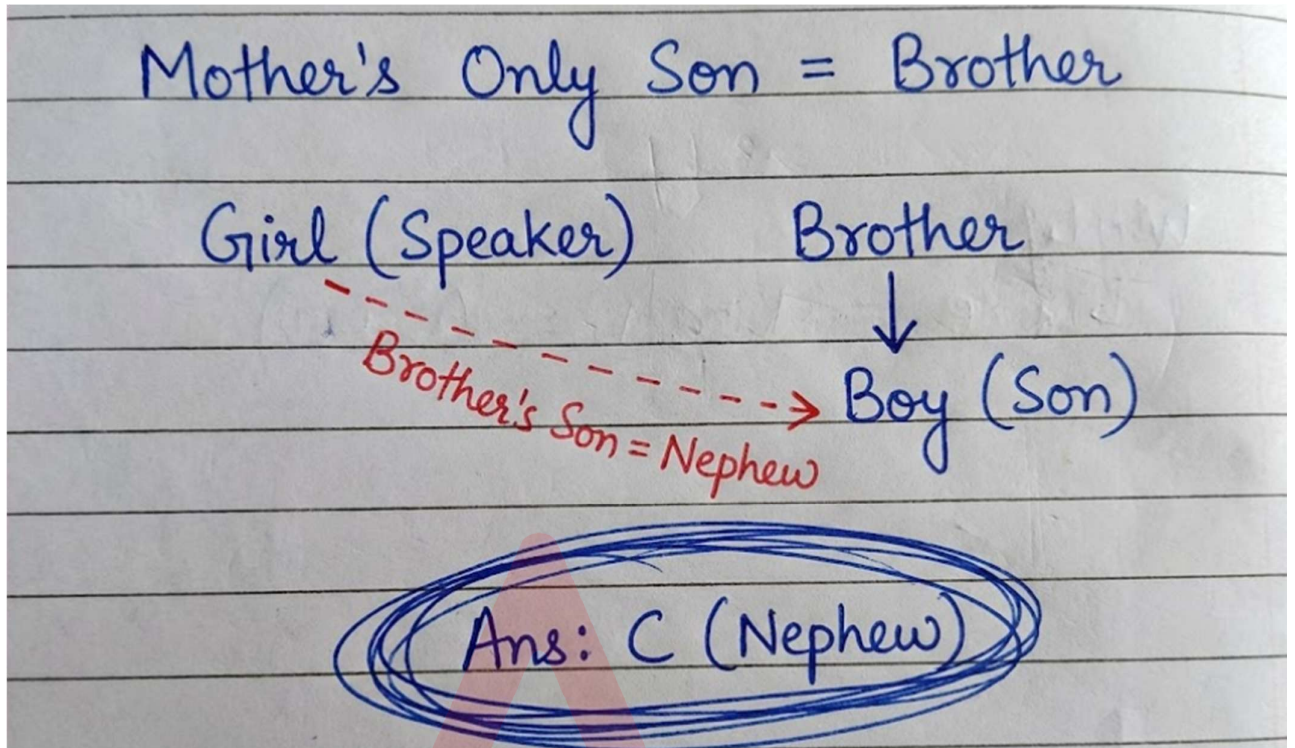
- Mother's only son → girl's brother
- Son of that brother → nephew of the girl

Final Answer:

Nephew

Final Correct Option:

(C)



Q5.

In a certain code language,

'A & B' means 'A is the brother of B',

'A x B' means 'A is the father of B',

'A ? B' means 'A is the mother of B' and

'A ! B' means 'A is the wife of B'.

Which of the following means that W is the mother's mother of P?

- (A). W ? R ! Y & O x P
- (B). W ? R x Y ! O & P
- (C). W & R ! Y x O ? P
- (D). W ! R x Y ? O & P

Answer: d

Solution:

Given:

'A & B' means 'A is the brother of B',

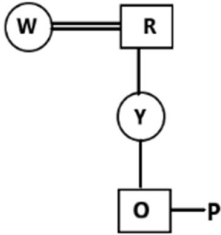
Symbols & × ? !

Relations Brother Father Mother Wife

Checking coded options;

Option (d); W ! R x Y ? O & P

Relationship diagram of the given coded expression



W is the mother's mother of P.

Only option (d) satisfied the given condition.

Thus, correct option is (d).

Q6.

A's father's wife's only daughter is B. How is A related to B? (Assuming A is a male member)

- (A). Sister
- (B). Cousin
- (C). Brother
- (D). Uncle

Answer: c

Solution:

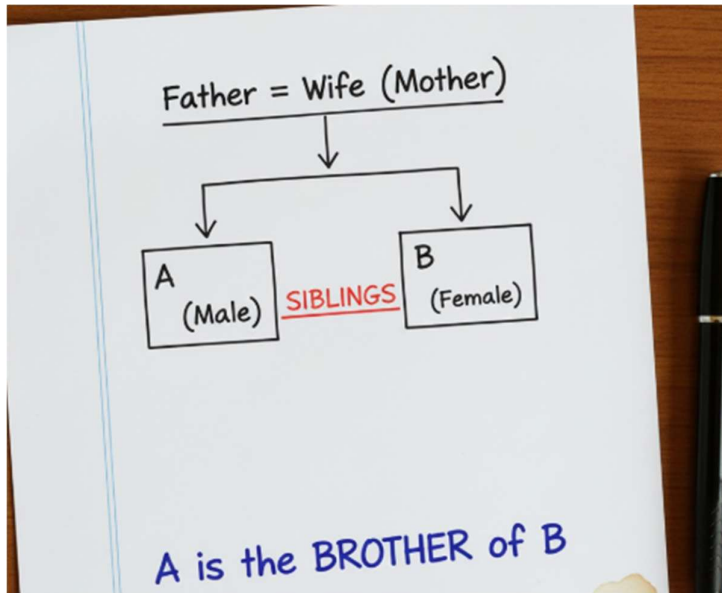
Information Given:

Statement: A's father's wife's only daughter is B.

Final Answer:

A is the brother of B.

Final Correct Option: C



Q7.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A x B' means 'A is the sister of B' and

'A ÷ B' means 'A is the daughter of B'.

Based on the above, if 'J + K ÷ L - T x R', then how is J related to L?

- (A). Wife
- (B). Sister
- (C). Husband's sister
- (D). Father's sister

Answer: a

Solution:

Given: 'A + B' means 'A is the mother of B'

\times \div

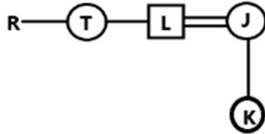
Symbols + -

Relations Mother Brother Sister Daughter

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

'J + K ÷ L - T x R'

From given information blood relation tree will be.



J is **wife** of L.

Thus, correct option is (a).

Q8.

All the six members of a family, 1, 2, 3, 4, 5 and 6, live together. 2 is the daughter of 3, but 3 is not the mother of 2. 1 and 3 are a married couple. 5 is the sister of 3. 4 is the daughter of 1. 6 is the brother of 2. Who is the mother of 2?

- (A). 4
- (B). 5
- (C). 1
- (D). 2

Answer: c

Solution:

Given:

2 is the daughter of 3, but 3 is not the mother of 2.

1 and 3 are a married couple.

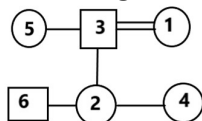
5 is the sister of 3.

4 is the daughter of 1.

6 is the brother of 2.

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information relationship diagram will be



from above 1 is the mother of 2
Thus, the correct option is (c).
Q9.

A's father's wife's only daughter is B. How is A related to B?

- (A). Nephew
- (B). Cousin
- (C). Sibling
- (D). Uncle

Answer: c

Solution:

Information Given:

A's father's wife's only daughter is B.

Logic:

Father's wife = mother.

Short Trick:

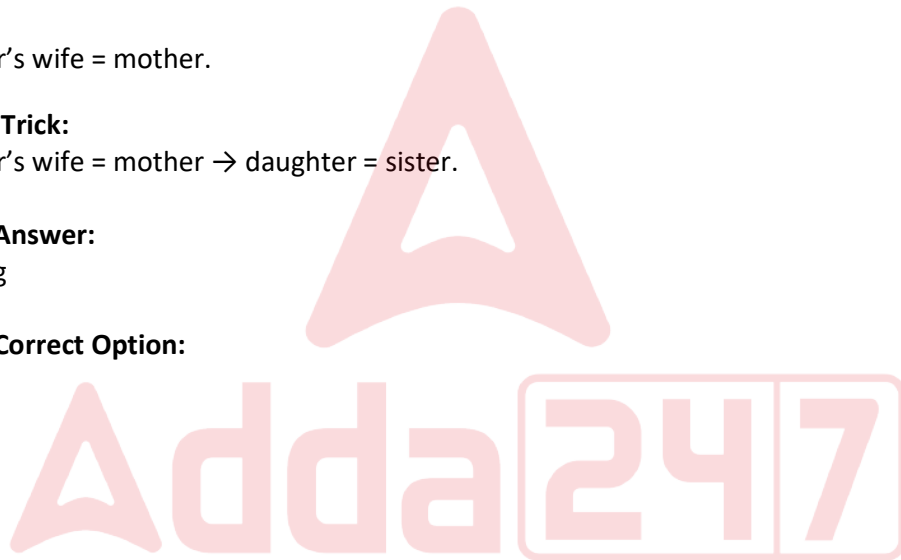
Father's wife = mother → daughter = sister.

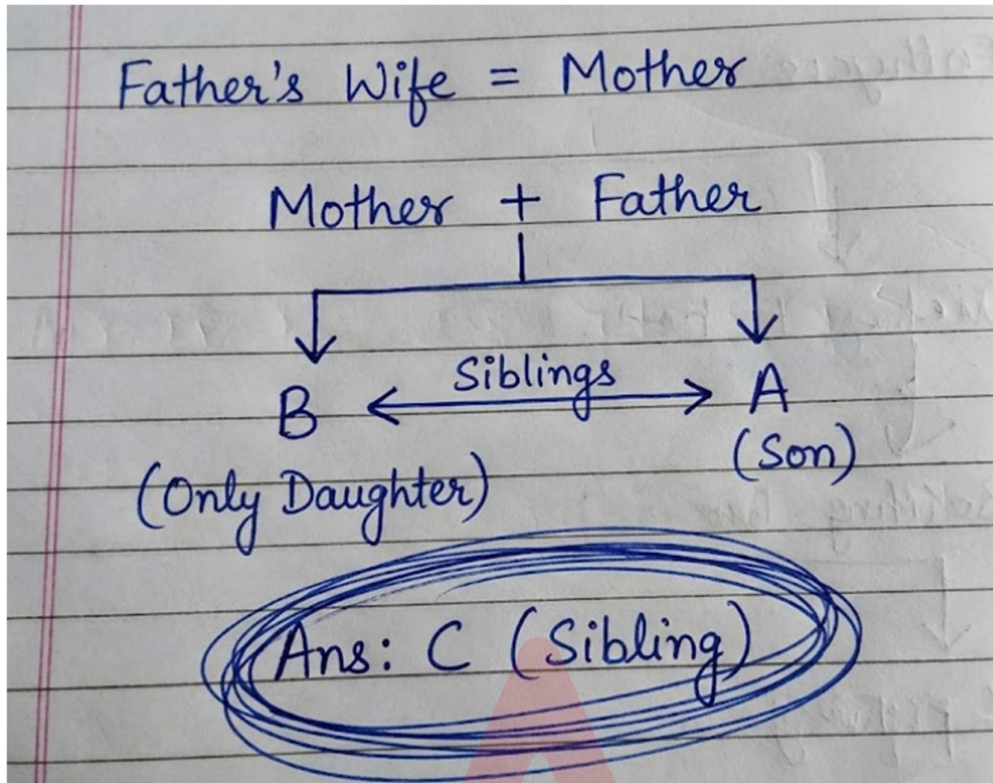
Final Answer:

Sibling

Final Correct Option:

(C)





Q10.

In a certain code language,

'A + B' means 'A is the son of B';

'A # B' means 'A is the sister of B';

'A × B' means 'A is the wife of B'; and,

'A @ B' means 'A is the father of B'.

Based on the above, how is M related to T if 'M # N @ L × P + T'?

- (A). Son's wife's sister
- (B). Son's wife's father's sister
- (C). Son's wife's father
- (D). Son's wife's father's mother

Answer: b

Solution:

Given:

Symbols + # × @

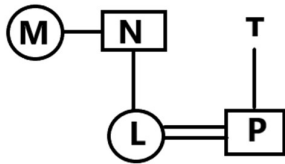
Relations Son Sister Wife Father

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

Based on the above, how is M related to T if

'M # N @ L × P + T' → M is the sister of N, N is the father of L, L is the wife of P and P is the son of T.

Thus, the correct family tree is given below as -



From the above family diagram M is Son's wife's father's sister of T.

Correct answer is (b).

Q11.

In a certain code language,

'A + B' means 'A is the mother of B',

'A - B' means 'A is the father of B',

'A \$ B' means 'A is the son of B',

'A % B' means 'A is the sister of B',

'A / B' means 'A is the wife of B' and

'A * B' means 'A is the husband of B'.

Which of the following means P is the Son's wife of T?

i. T / B - K * P + O

ii. T + K * P + B % O

iii. K * P + B % T + P

iv. P + T * K + B % O

- (A). Only i
- (B). Both i and ii
- (C). iii and iv
- (D). Only ii

Answer: b

Solution:

Given:

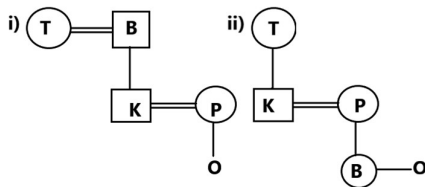
'A + B' means 'A is the mother of B',

– \$ % / *

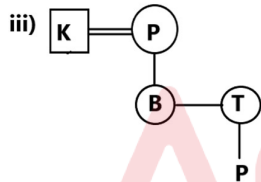
Symbol +

Mother Father Son Sister Wife Husband

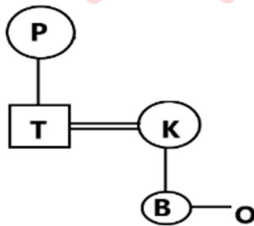
Relation



From i and ii Son's wife of T



T is mother of P.



T is mother of P.

Thus, correct option is (b)

Q12.

In a certain code language, 'A + B' means 'A is the mother of B',

'A – B' means 'A is the father of B',

'A \$ B' means 'A is the son of B',

'A % B' means 'A is the sister of B',

'A / B' means 'A is the wife of B'
and 'A * B' means 'A is the husband of B'.
Which of the following means P is the Son's wife of T?

(A). $T / B - K * P + O$

(B). $P + K * T + B \% O$

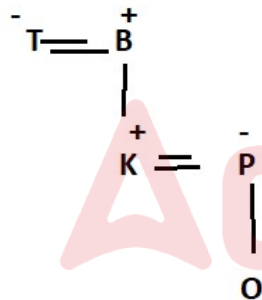
(C). $K * P + B \% T + P$

(D). $P + T * K + B \% O$

Answer: a

Solution:

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation



P is the Son's wife of T?

Q13.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A x B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

Based on the above, if $M + Q - R + K - Y$, then how is M related to Y?

(A). Father's mother

(B). Brother's wife

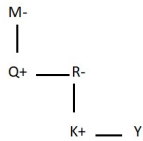
(C). Mother's mother

(D). Mother

Answer: c

Solution:

Symbol in Diagram	Meaning
- / ○	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation



M is Y's mother's mother.

hence option c is correct.

Q14.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the father of B';

'A \$ B' means 'A is the daughter of B' and

'A % B' means 'A is the sister of B'.

Based on the above, how is P related to S if P + Q - R \$ S % T?

(A). Sister's daughter

(B). Sister's husband

(C). Husband's mother

(D). Mother

Answer: c

Solution:

Given: 'A + B' means 'A is the mother of B'

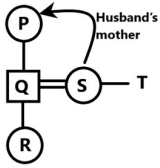
Symbol + - \$ %

Relation Mother Father Daughter Sister

Symbol in Diagram	Meaning
- / ○	Female
+ / □	Male
≡	Married Couple
—	Siblings
	Difference Of Generation

$P + Q - R \$ S \% T?$

According to the given information, Family tree of the given expression will be:



As per the family tree, **P is the grandmother of R, and S is the mother of R**, this means **P is the mother of S's husband**.

Thus, the correct option is **(C) Husband's Mother**.

Q15.

In a certain code language,

$R + T$ means 'R is the sister of T'.

$R - T$ means 'R is the father of T'.

$R * T$ means 'R is the wife of T'.

$R \div T$ means 'R is the mother of T'.

Based on the above, how is M related to Q if ' $M * N - P + Q \div R + T$ '?

- (A). Mother's mother
- (B). Mother
- (C). Sister
- (D). Mother's sister

Answer: b

Solution:

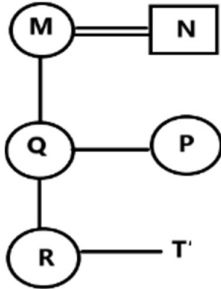
Symbols + - * ÷

Sister

Relations Father Wife Mother

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the give codes the relationship diagram will be:



M is mother of Q.

Thus, correct option is (b).

Q16.

In a certain code language,

$X + Y$ means 'X is the sister of Y',

$X - Y$ means 'X is the wife of Y',

$X \times Y$ means 'X is the mother of Y',

$X \div Y$ means 'X is the father of Y'.

Based on the above, how is H related to L if ' $H \times I - J \div K + L$ '?

(A). Father's mother

(B). Father's sister

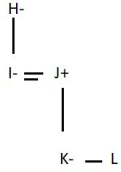
(C). Mother

(D). Mother's mother

Answer: d

Solution:

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation



H is L's Mother's mother.

Option d is correct.

Q17.

In a certain code language,

A + B means 'A is the wife of B'.

A - B means 'A is the son of B'.

A × B means 'A is the husband of B'.

A ÷ B means 'A is the father of B'.

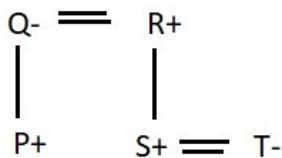
Based on the above, how is P related to T if 'P - Q + R ÷ S × T'?

- (A). Son's son
- (B). Father
- (C). Husband's brother
- (D). Father-in-law

Answer: c

Solution:

Symbol in Diagram	Meaning
- / 0	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation



P is T's husband's brother.

Q18.

In a certain code language,

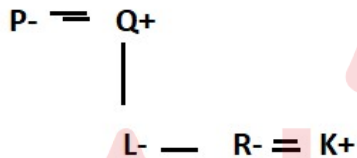
A # B means A is the sister of B.
 A @ B means A is the son of B.
 A & B means A is the wife of B.
 A % B means A is the father of B.
 How is Q related to R if P & Q % L # R & K?

- (A). Sister
- (B). Wife
- (C). Father
- (D). Mother

Answer: c

Solution:

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation



Q is father of R.

Q19.

In a certain code language,
 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' and
 A ÷ B means 'A is the mother of B'.

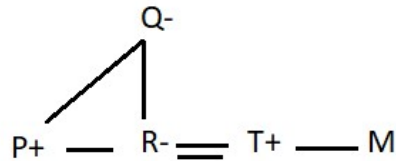
Based on the above, if 'P + Q ÷ R - T × M', which of the following is true?

- (A). M is the sister of T.
- (B). P is the brother of R.
- (C). Q is the mother of M.
- (D). T is the brother of P.

Answer: b

Solution:

Symbol in Diagram	Meaning
- / ○	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation



Only option b P is the brother of R. is true.

Q20.

In a certain code language,

A + B means 'A is the son of B',

A - B means 'A is the sister of B',

A × B means 'A is the brother of B' and

A ÷ B means 'A is the mother of B'.

Based on the above, how is T related to P if 'P ÷ Q × R - M + T'?

- (A). Son
- (B). Brother
- (C). Father
- (D). Husband

Answer: d

Solution:

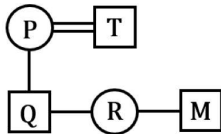
Given:

Sign	+	-	×	÷
Relation	Son	Sister	Brother	Mother

Explanation:

Symbol in Diagram Meaning - / ○ Female + / □ Male = Married Couple _ Siblings | Difference of Generation

The family tree for the given expression 'P ÷ Q × R - M + T', is as follows -



T is P's husband.

Thus, the correct answer is option (d).

Q21.

Pointing to a man, a woman said, "His mother is the only daughter of my father."
How is the man related to the woman?

- (A). Son
- (B). Nephew
- (C). Cousin
- (D). Grandson

Answer: a

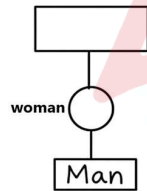
Solution:

Given:

Pointing to a man, a woman said, "His mother is the only daughter of my father."

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
==	Married Couple
—	Siblings
	Difference Of Generation

From the given information family diagram will be



The man related to the woman as **Son**.

Thus, correct option is (a).

Q22.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A × B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

Based on the above, how is A related to D if 'A × B ÷ C + D'?

- (A). Mother's mother
- (B). Father's father
- (C). Mother's father
- (D). Father's mother

Answer: a

Solution:

Given: 'A × B ÷ C + D'

'A + B' means 'A is the mother of B';

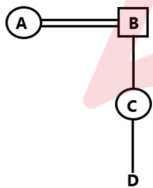
'A - B' means 'A is the brother of B';

'A × B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'

Symbol in Diagram	Meaning
- / ○	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From given information blood relation tree will be.



A is **mother's mother** of D.

Thus, correct option is (a).

Q23.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A × B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

Based on the above, how is 4 related to 1 if ' $4 \times 3 - 2 - 1$ '?

- (A). Mother
- (B). Father's sister
- (C). Sister
- (D). Brother's wife

Answer: d

Solution:

Given: 'A + B' means 'A is the mother of B'

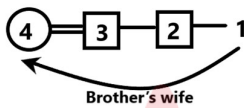
Sign + - × ÷

Relation Mother Brother Wife Father

Expression : ' $4 \times 3 - 2 - 1$ '?

Symbol in Diagram	Meaning
- / 0	Female
+ / □	Male
≡	Married Couple
—	Siblings
	Difference Of Generation

According to the given information, Family tree diagram of the given expression will be:



As per the diagram 4 is the **Brother's wife** of 1
Thus, the correct option is **(d) Brother's wife**
Q24.

In a certain code language,

A + B means 'A is the husband of B',

A - B means 'B is the mother of A',

A × B means 'B is the sister of A' and

A ÷ B means 'A is the daughter of B'.

Based on the above, how is Q related to T if ' $P + Q \times R - S \div T$ '?

- (A). Daughter's husband
- (B). Daughter's daughter
- (C). Sister
- (D). Mother's mother

Answer: b

Solution:

Note: the question has reverse relation between the elements (Q and R both are daughters of S)

Given -

$Q \times R \rightarrow R$ is the sister of Q.

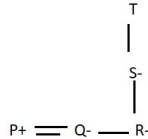
$R - S \rightarrow S$ is the mother of R.

$S \div T \rightarrow S$ is the daughter of T.

$P + Q \rightarrow P$ is the husband of Q.

'P + Q × R - S ÷ T'?

From the given information Family tree will be:



So, Q is T's daughter's daughter.

Thus, the correct option is: (b)

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

Q25.

In a certain code language,

$A + B$ means 'A is the son of B',

$A - B$ means 'A is the wife of B',

$A \times B$ means 'A is the brother of B' and

$A \div B$ means 'A is the mother of B'.

Based on the above, how is T related to P if 'P - M + R ÷ T × S'?

- (A). Brother's wife
- (B). Brother
- (C). Husband's brother
- (D). Sister

Answer: c

Solution:

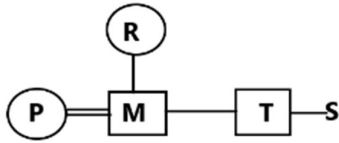
Given: $A + B$ means 'A is the son of B'

Symbols + - × ÷

Relations Son Wife Brother mother

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

Relationship diagram of given codes: 'P – M + R ÷ T × S'



Based on the above, T is Husband's brother of P .

Thus, the correct option is (c).
Q26.

If A is the sister of B, C is the daughter of A, D is the sister of A and E is the brother of C. How is D related to E?

- (A). Mother's father
- (B). Mother's brother
- (C). Mother's sister
- (D). Mother's mother

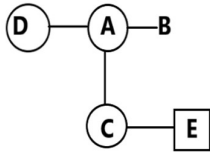
Answer: c

Solution:

Given: If A is the sister of B,
C is the daughter of A,
D is the sister of A and E is the brother of C.

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information relationship diagram will be;



From the diagram D is **Mother's sister** of E.

Thus, correct option is (c).

Q27.

In a certain code language,

$A + B$ means 'A is the son of B',

$A - B$ means 'A is the wife of B',

$A \times B$ means 'A is the brother of B' and

$A \div B$ means 'A is the daughter of B'.

Based on the above, how is P related to R if ' $P \times S \div M - T + R$ '?

- (A). Brother
- (B). Son's son
- (C). Father's mother
- (D). Daughter

Answer: b

Solution:

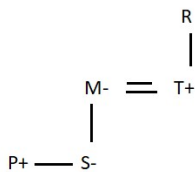
Given - $A + B$ means 'A is the son of B',

$A - B$ means 'A is the wife of B',

$A \times B$ means 'A is the brother of B' and

$A \div B$ means 'A is the daughter of B'.

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation



P is R's son's son.

option b is correct.

Q28.

$P + Q$ means P is the husband of Q, $P - Q$ means P is the sister of Q, $P \times Q$ means P is the mother of Q. Then what does $A \times B + C$ mean?

- (A). A is mother-in-law of C
- (B). A is mother of C
- (C). A is sister-in-law of C
- (D). A is grandmother of C

Answer: a

Solution:

Information Given:

Symbols:

$P + Q \rightarrow$ P is the husband of Q

$P - Q \rightarrow$ P is the sister of Q

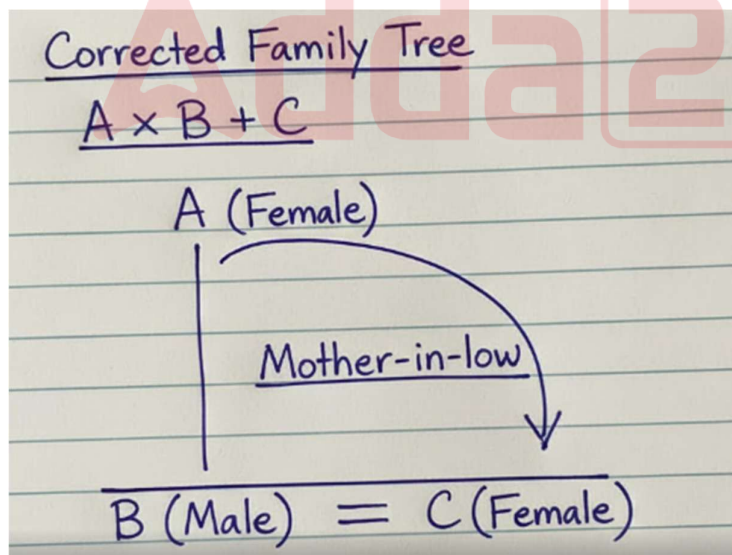
$P \times Q \rightarrow$ P is the mother of Q

Expression: $A \times B + C$

Final Answer:

A is the mother-in-law of C

Final Correct Option:



Q29.

. In a certain code language, 'A ! B' means 'A is the father of B',

'A & B' means 'A is the brother of B',

'A * B' means 'A is the wife of B'

and 'A # B' means 'A is the daughter of B'.

Which of the following means that S is the husband's brother's wife of M?

(A). $S \& F * J ! I \# M$

(B). $S * F \& J ! I \# M$

(C). $S \& F ! J * I \# M$

(D). $S \& F \# J ! I * M$

Answer: b

Solution:

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

OPTION B

$$S- = F+ \text{---} J+ = M$$

$$|$$

$$I-$$

S is the husband's brother's wife of M

Q30.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A × B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

Based on the above, how is S related to P if 'P × Q ÷ R - S × A'?

(A). Mother

(B). Daughter

- (C). Son
 - (D). Father
- Answer: b

Solution:

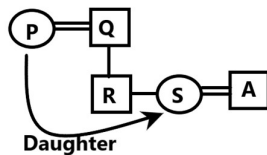
Given: 'A + B' means 'A is the mother of B';

Symbol	+	-	×	÷
Relation	Mother	Brother	Wife	Father

Let's find the relation of $P \times Q \div R - S \times A$

Symbol in Diagram	Meaning
- / 0	Female
+ / □	Male
≡	Married Couple
—	Siblings
	Difference Of Generation

According to the given expression, Family tree diagram will be:



So, **S is the Daughter of P**
Thus, the correct option is **(b) Daughter**

Q31.

P is the son of Q. Q is the sister of R. How is P related to R?

- (A). Aunt
- (B). Uncle
- (C). Nephew
- (D). Sister

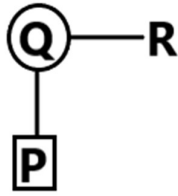
Answer: c

Solution:

Given: P is the son of Q. Q is the sister of R.

Symbol in Diagram	Meaning
- / 0	Female
+ / □	Male
≡	Married Couple
—	Siblings
	Difference Of Generation

From the given information blood relation diagram will be.



So, P is **nephew** of R.
Thus, correct option is (c).
Q32.

G is the brother of F. E is the father of K.. C is the daughter of A. F is the mother of E.
C is the sister of E. How is G related to A?

- (A). Wife's brother
- (B). Sister's husband
- (C). Husband's sister
- (D). Brother's wife

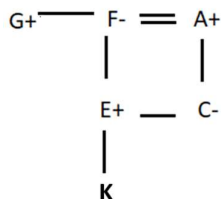
Answer: a

Solution:

Given:

G is the brother of F.
E is the father of K..
C is the daughter of A.
F is the mother of E.
C is the sister of E.

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation



So, G is A's wife's brother.

Thus, the correct option is: (a)

Q33.

If 'A & Z' means 'A is the brother of Z',

'A # Z' means 'A is the sister of Z',

'A ^ Z' means 'A is the brother of Z's father',

'A @ Z' means 'A is the wife of Z',

'A % Z' means 'A is the mother of Z',

'A α Z' means 'A is the father of Z',

then how is J related to Z in the following expression?

J % K # L @ M α N & Z

(A). Mother

(B). Father's mother

(C). Mother's sister

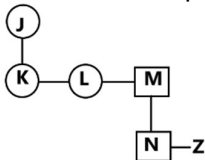
(D). Mother's mother

Answer: d

Solution:

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

The relationship diagram of this code: J % K # L @ M α N & Z



J is Mother's mother of Z

Thus, correct option is (d).

Q34.

In a certain code language,

X + Y means 'X is the sister of Y',

X - Y means 'X is the son of Y',

$X \times Y$ means 'X is the husband of Y',

$X \div Y$ means 'X is the mother of Y'.

Based on the above, how is T related to X if ' $T + U - V \times W \div X$ '?

- (A). Father's mother
- (B). Sister
- (C). Father's sister
- (D). Mother's sister

Answer: b

Solution:

Given,

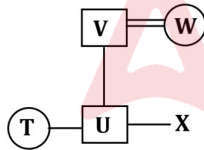
$X + Y$ means 'X is the sister of Y',

From the given information possible Family Tree will be:

Blood code; ' $T + U - V \times W \div X$ '

Symbols + - × ÷

Relations Sister Son Husband Mother



W is X's mother, T is also X's sister.

So, **T is the sister of X.**

Thus, the correct option is: **(b)**

Q35.

In a certain code language,

'A + B' means 'A is the mother of B',

'A - B' means 'A is the father of B',

'A \$ B' means 'A is the son of B',

'A % B' means 'A is the sister of B',

'A / B' means 'A is the wife of B' and

'A = B' means 'A is the brother of B'.

Which of the following means A is the daughter of K?

- i. $A + K / J - P = D$
- ii. $J \% P = K + A = D$
- iii. $K + A / P - D \% J$
- iv. $D + K = A / P - J$

- (A). ii
- (B). i
- (C). iii
- (D). iv

Answer: c

Solution:

Given:

Sign + - \$ % / =

Relation Mother Father Son Sister Wife Brother

Symbol in Diagram Meaning - \bigcirc Female + \square Male = Married Couple _ Siblings | Difference of Generation

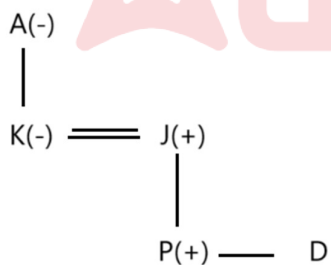
ne \textbf{Symbol in Diagram} & \textbf{Meaning} \\ \hline \textbf{-} & \textbf{Female} \\ \hline \textbf{+} & \textbf{Male} \\ \hline \textbf{=} & \textbf{Married Couple} \\ \hline \textbf{|} & \textbf{Siblings} \\ \hline \textbf{-} & \textbf{Difference of Generation} \\ \hline \textbf{Symbol in Diagram} - \bigcirc + \square = _ |

Meaning Female Male Married Couple Siblings Difference of Generation

Explanation:

Check option A, $A + K / J - P = D$

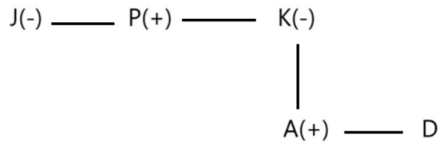
Relationship diagram is-



A is mother of K.
so, its not correct option.

Check option B, $J \% P = K + A = D$

Relationship diagram is-

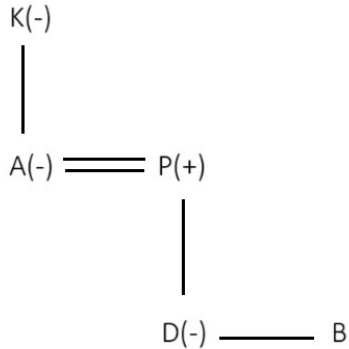


A is son of K.

so, its not correct option.

Check option C, K + A / P – D % J

Relationship diagram is-

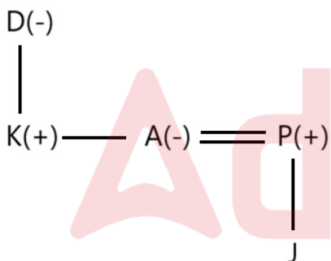


So, A is daughter of K.

so, its correct option.

Check option D, D + K = A / P – J

Relationship diagram is-



A is sister of K.

so, its not correct option.

Thus, option C is correct.

Q36.

A is the wife of B. C is the son of A. How is B related to C?

- (A). Mother
- (B). Father
- (C). Grandfather
- (D). Brother

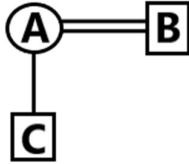
Answer: b

Solution:

Given: A is the wife of B. C is the son of A.

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information blood relation diagram will be.



So, B is the **Father** of C.

Thus, correct option is (b).

Q37.

In a certain code language,

A + B means 'A is the brother of B'.

A - B means 'A is the father of B'.

A × B means 'A is the mother of B'.

A ÷ B means 'A is the wife of B'.

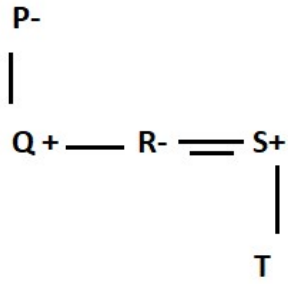
Based on the above, how is P related to T if 'P × Q + R ÷ S - T'?

- (A). Sister
- (B). Wife
- (C). Mother
- (D). Mother's mother

Answer: d

Solution:

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation



P is T's mother's mother.

Q38.

B is the daughter of A. C is the husband of B. D is the son of C. How is A related to D?

- (A). Father
- (B). Grandfather
- (C). Grandmother
- (D). Cannot be determined

Answer: d

Solution:

Information Given:

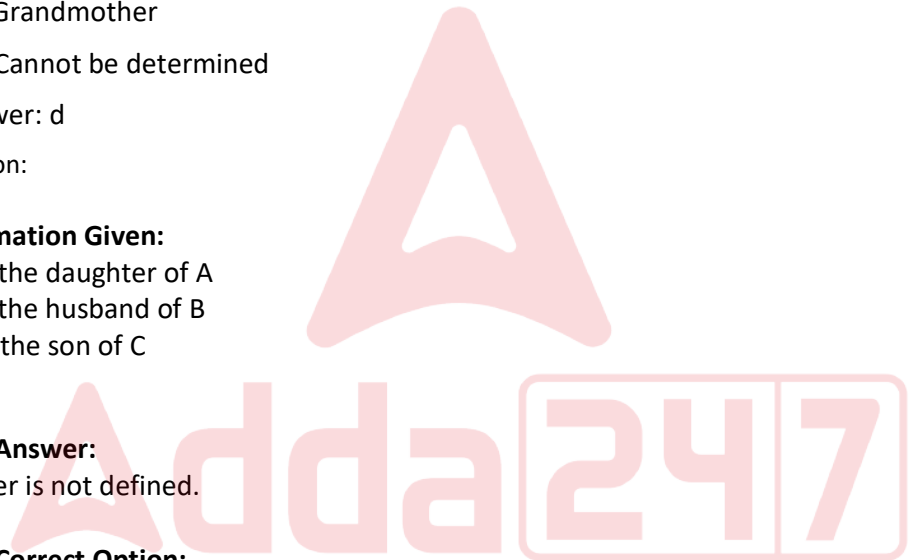
- B is the daughter of A
- C is the husband of B
- D is the son of C

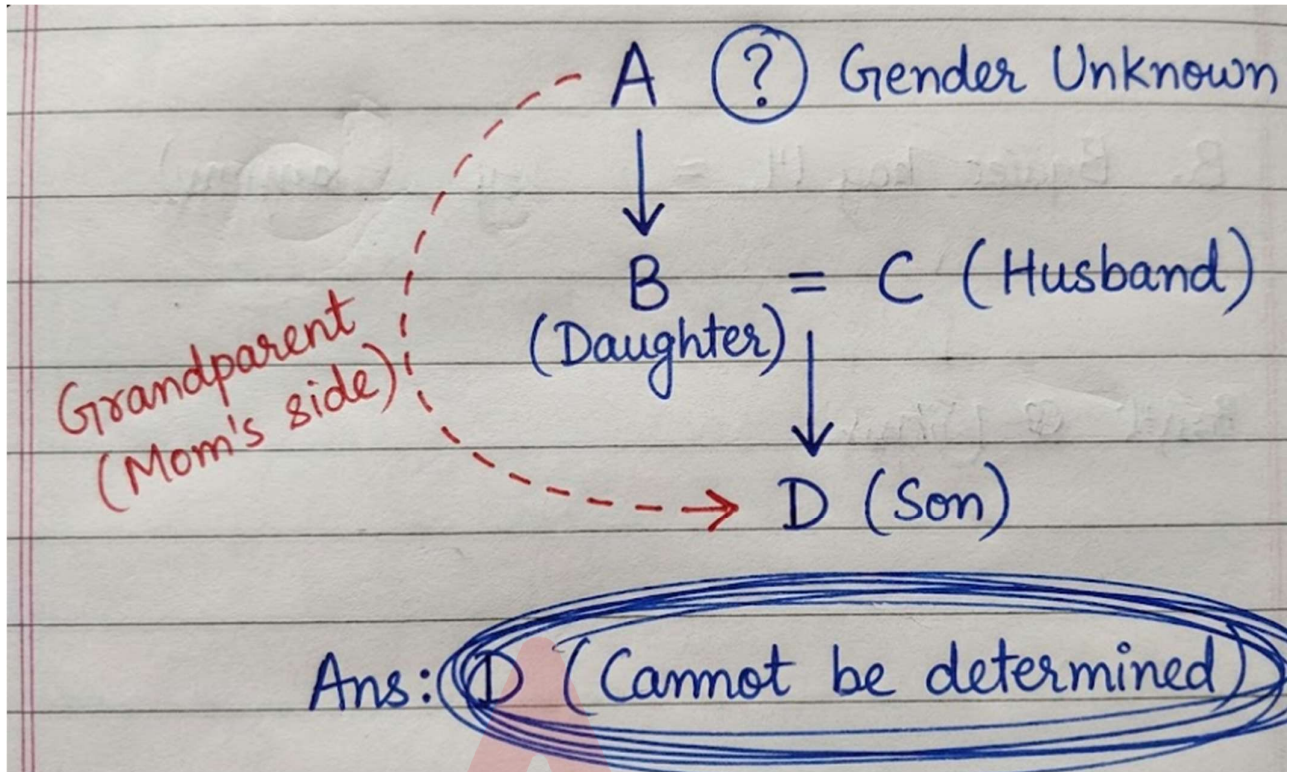
Final Answer:

Gender is not defined.

Final Correct Option:

D





Q39.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A × B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

Based on the above, how is 4 related to 2 if '4 + 3 ÷ 2 ÷ 1 - 5'?

- (A). Father's father
- (B). Father's mother
- (C). Mother's father
- (D). Mother's mother

Answer: b

Solution:

Given: 'A + B' means 'A is the mother of B'

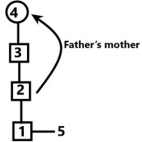
Sign + - × ÷

Relationship Mother Brother Wife Father

Expression: '4 + 3 ÷ 2 ÷ 1 - 5'?

Symbol in Diagram	Meaning
○	Female
□	Male
—	Married Couple
—	Siblings
—	Difference Of Generation

According to the given information, family tree diagram will be:



As per the diagram, 4 is the Father's mother of 2.

Thus, the correct option is **(b) Father's mother.**

Q40.

A is the wife of B. B is the brother of C. C is the father of D. How is A related to D?

- (A). Aunt
- (B). Mother
- (C). Sister-in-law
- (D). Grandmother

Answer: a

Solution:

Level 1 (The Parents' Generation):

A is the wife of B. (A is female, B is male).

B is the brother of C. (B and C are siblings. C is male since he is a father).

So, A (Wife) = B (Brother) — C (Father).

Level 2 (The Children's Generation):

C is the father of D. (D is the child of C).

Place D below C.

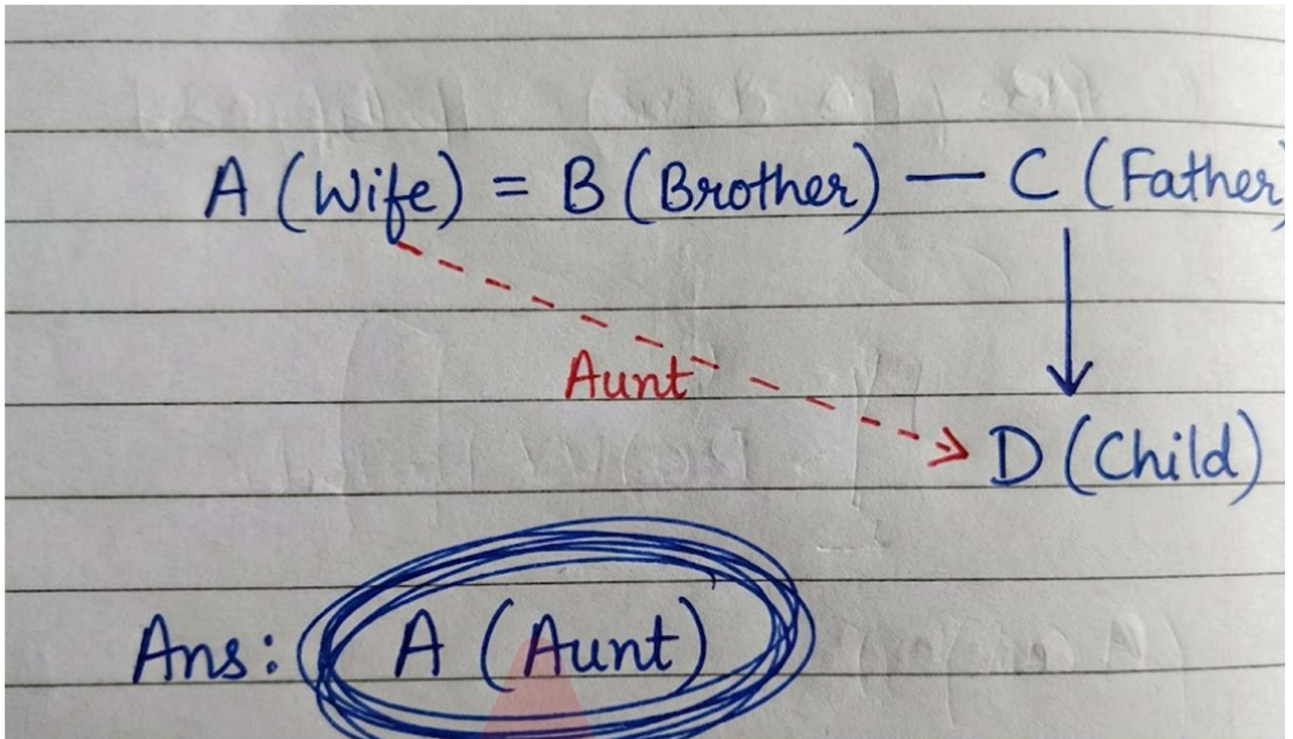
The Connection:

B is D's paternal Uncle (father's brother).

A is the wife of B.

Therefore, A is D's Aunt.

Logic Shortcut: Father's Brother's Wife = Aunt.



Q41.

R is the son of S. T is the wife of R. U is the son of T. How is U related to S?

- (A). Grandson
- (B). Son
- (C). Brother
- (D). Nephew

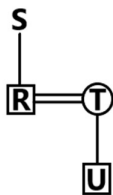
Answer: a

Solution:

Given: R is the son of S. T is the wife of R. U is the son of T.

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information blood relation diagram will be.



So, U is the **grandson** of S.
Thus, correct option is (a).
Q42.

P is the father of Q. Q is the sister of R. How is P related to R?

- (A). Father
- (B). Cousin
- (C). Brother
- (D). Grandfather

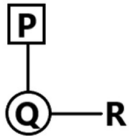
Answer: a

Solution:

Given: P is the father of Q. Q is the sister of R.

Symbol in Diagram	Meaning
- / ○	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information blood relation diagram will be.



So, P is **father** of R.

Thus, correct option is (a).
Q43.

X and Y are brothers. Z is the wife of Y. A is the father of X. B is the daughter of Z.
How is B related to A?

- (A). Daughter
- (B). Granddaughter
- (C). Niece
- (D). Sister

Answer: b

Solution:

Information Given:

X and Y are brothers.

Z is the wife of Y.

A is the father of X.

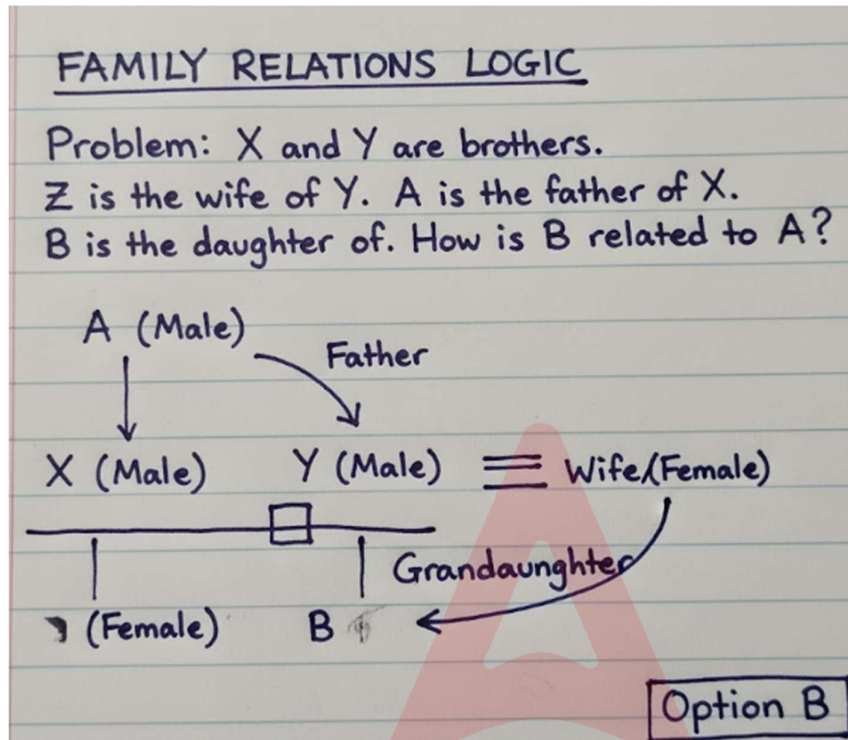
B is the daughter of Z.

Final Answer:

B is the granddaughter of A

Final Correct Option:

(B)



Q44.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A × B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

Based on the above, how is 5 related to 2 if '5 ÷ 1 × 3 ÷ 4 - 2'?

- (A). Father's mother
- (B). Father's father
- (C). Mother's mother
- (D). Mother's father

Answer: d

Solution:

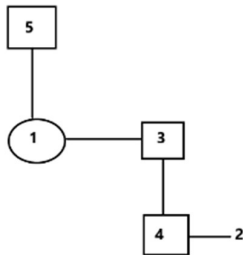
'A + B' means 'A is the mother of B';

Symbols + - × ÷

Relations Mother Brother Wife Father

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the give codes the relationship diagram will be:



5 is Mother's father of 2.

Thus, correct option is (d).
Q45.

Pointing to a woman, John says, "She is the wife of my uncle's only son." How is the woman related to John?

- (A). Sister
- (B). Cousin
- (C). Sister-in-law
- (D). Niece

Answer: c

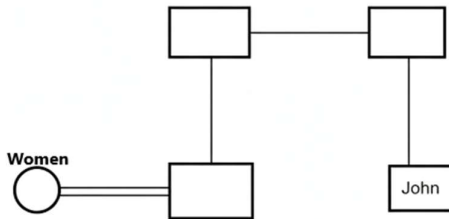
Solution:

Given:

Pointing to a woman, John says, "She is the wife of my uncle's only son."

Symbol in Diagram	Meaning
- / ○	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information family diagram will be,



So, woman is **Sister-in-law** John.

Thus, correct option is (c).

Q46.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A × B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

Based on the above, how is A related to D if 'A × B ÷ C × D'?

- (A). Father-in-law
- (B). Father's sister
- (C). Wife's mother
- (D). Father's brother

Answer: c

Solution:

Given,

'A × B ÷ C × D'

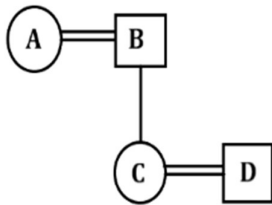
Symbols + - ÷

×

Relations **Mother** Wife Brother **Father**

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

'A × B ÷ C × D' From this the following the family tree will be:



C is the wife of D, this makes D the son-in-law of A.

So, **A is D's Wife's Mother (Mother-in-law).**

Thus, the correct option is: **(c) Wife's Mother**
Q47.

In a certain code language,

R + T means 'R is the sister of T'.

R – T means 'R is the father of T'.

R * T means 'R is the wife of T'.

R ÷ T means 'R is the mother of T'.

Based on the above, how is F related to C if 'A + B – C ÷ D * E – F ÷ G'?

- (A). Daughter's daughter
- (B). Wife
- (C). Daughter
- (D). Mother

Answer: a

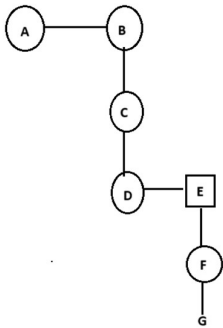
Solution:

Given:

Sign	\times	$+$	\div	$-$
Relation	Wife	Brother	Husband	Son

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

Relationship diagram of 'A + B - C ÷ D * E - F ÷ G'?



F is Daughter's daughter of C.
thus, option A is the correct answer.
Q48.

In a certain code language,

'A ? B' means 'A is the mother of B',

'A ! B' means 'A is the wife of B',

'A & B' means 'A is the brother of B' and

'A x B' means 'A is the father of B'.

Which of the following means that Z is the wife's father's mother of L?

- (A). Z ? B x T & J ! L
- (B). Z ! B x T ? J & L
- (C). Z & B ! T x J ? L
- (D). Z ? B ! T & J x L

Answer: a

Solution:

Given: 'A ? B' means 'A is the mother of B',

Symbols ? ! & x

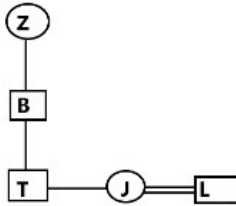
Relations Mother Wife Brother Father

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

Lets check the options to get the correct relation;

Option (a); Z ? B x T & J ! L

Z is the wife's father's mother of L



Thus, the correct option is (a).

Q49.

In a certain code language,

X + Y means 'X is the father of Y',

X - Y means 'X is the brother of Y',

X x Y means 'X is the sister of Y',

X ÷ Y means 'X is the wife of Y'.

Based on the above, how is D related to H if 'D x E ÷ F + G - H'?

- (A). Sister
- (B). Father's sister
- (C). Mother's sister
- (D). Mother's mother

Answer: c

Solution:

Given:

X + Y means 'X is the father of Y',

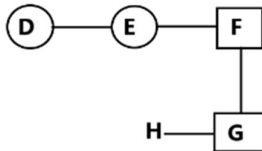
Symbols + - x ÷

Sister

Relations Father Brother Wife

Symbol in Diagram	Meaning
- / 0	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

Relationship diagram of this give code is ; 'D × E ÷ F + G - H'



D is H's Mother's sister.

Thus, correct option is (c).

Q50.

In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A × B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

Based on the above, how is 5 related to 3 if '5 - 2 × 4 ÷ 3'?

- (A). Father's sister
- (B). Mother's brother
- (C). Father's brother
- (D). Mother's sister

Answer: b

Solution:

Symbol in Diagram	Meaning
- / 0	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

5+ — 2- = 4+
|
3

5 is 3's mother's brother.

