

Practice Questions for Aptitude Preparation

1. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?

A. Brother
B. Uncle
C. Cousin
D. Father

Explanation:

The boy in the photograph is the only son of the son of Suresh's mother i.e., the son of Suresh. Hence, Suresh is the father of boy.

2. If $A + B$ means A is the mother of B; $A - B$ means A is the brother B; $A \% B$ means A is the father of B and $A \times B$ means A is the sister of B, which of the following shows that P is the maternal uncle of Q?

A. $Q - N + M \times P$
B. $P + S \times N - Q$
C. $P - M + N \times Q$
D. $Q - S \% P$

Explanation:

$P - M \rightarrow P$ is the brother of M

$M + N \rightarrow M$ is the mother of N

$N \times Q \rightarrow N$ is the sister of Q

Therefore, P is the maternal uncle of Q.

3. If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?

A. Brother
B. Sister
C. Nephew
D. Cannot be determined

Explanation:

If D is Male, the answer is Nephew.

If D is Female, the answer is Niece.

As the sex of D is not known, hence, the relation between D and A cannot be determined.

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Note: Niece - A daughter of one's brother or sister, or of one's brother-in-law or sister-in-law.
Nephew - A son of one's brother or sister, or of one's brother-in-law or sister-in-law.

4. 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?

- A. $M - N \times C + F$
- B. $F - C + N \times M$
- C. $N + M - F \times C$
- D. $M \times N - C + F$

Explanation:

$M \times N \rightarrow$ M is the father of N

$N - C \rightarrow$ N is the sister of C

and $C + F \rightarrow$ C is the brother of F.

Hence, M is the father of C or C is the son of M.

5. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

- A. Brother
- B. Nephew
- C. Uncle
- D. Son-in-law

Explanation:

The father of the boy's uncle \rightarrow the grandfather of the boy and daughter of the grandfather \rightarrow sister of father.

6. Pointing to a photograph Lata says, "He is the son of the only son of my grandfather." How is the man in the photograph related to Lata?

- A. Brother
- B. Uncle
- C. Cousin
- D. Data is inadequate

Explanation:

The man in the photograph is the son of the only son of Lata's grandfather i.e., the man is the

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son of Lata's father. Hence, the man is the brother of Lata.

7. If $A + B$ means A is the brother of B; $A \times B$ means A is the son of B; and $A \% B$ means B is the daughter of A then which of the following means M is the maternal uncle of N?

- A. $M + O \times N$
- B. $M \% O \times N + P$
- C. $M + O \% N$
- D. None of these

Explanation:

Because the sex of O is not known.

8. If D is the brother of B, how B is related to C? To answer this question which of the statements is/are necessary?

The son of D is the grandson of C.

B is the sister of D.

- A. Only 1
- B. Only 2
- C. Either 1 or 2
- D. 1 and 2 both are required

Explanation:

Given: D is the brother of B.

From statement 1, we can detect that D is son of C (son of D is the grandson of C).

From statement 2, we can detect that B is 'Female' (sister of D).

Therefore, B is daughter of C.

9. If $A + B$ means A is the father of B; $A - B$ means A is the brother B; $A \% B$ means A is the wife of B and $A \times B$ means A is the mother of B, which of the following shows that M is the maternal grandmother of T?

- A. $M \times N \% S + T$
- B. $M \times N - S \% T$
- C. $M \times S - N \% T$
- D. $M \times N \times S \% T$

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Explanation:

$M \times N \rightarrow$ M is the mother of N

$N \% S \rightarrow$ N is the wife of S

and $S + T \rightarrow$ is the father of T.

Hence, M is the maternal grandmother of T.

10. Pointing to a photograph. Bajpai said, "He is the son of the only daughter of the father of my brother." How Bajpai is related to the man in the photograph?

- A. Nephew
- B. Brother
- C. Father
- D. Maternal Uncle**

Explanation:

The man in the photo is the son of the sister of Bajpai. Hence, Bajpai is the maternal uncle of the man in the photograph.

11. Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?

- A. Son
- B. Brother**
- C. Cousin
- D. Brother-in-law

Explanation:

Father's wife \rightarrow mother. Hence, the daughter of the mother means sister and sister's younger brother means brother. Therefore, the boy is the brother of Deepak.

12. Pointing a photograph X said to his friend Y, "She is the only daughter of the father of my mother." How X is related to the person of photograph?

- A. Daughter
- B. Son**
- C. Nephew
- D. Cannot be decided

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Explanation:

'The only daughter of the father of X's mother' means mother of X.

Hence X is the son of the lady in the photograph.

13. **Veena who is the sister-in-law of Ashok, is the daughter-in-law of Kalyani. Dheeraj is the father of Sudeep who is the only brother of Ashok. How Kalyani is related to Ashok?**

- A. Mother-in-law
- B. Aunt
- C. Wife
- D. None of these

Explanation:

Ashok is the only brother of Sudeep and Veena is the sister-in-law of Ashok. Hence Veena is the wife of Sudeep. Kalyani is the mother-in-law of Veena. Kalyani is the mother of Ashok.

14. **If $A + B$ means A is the sister of B; $A \times B$ means A is the wife of B, $A \% B$ means A is the father of B and $A - B$ means A is the brother of B. Which of the following means T is the daughter of P?**

- A. $P \times Q \% R + S - T$
- B. $P \times Q \% R - T + S$
- C. $P \times Q \% R + T - S$
- D. $P \times Q \% R + S + T$

Explanation:

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

$Q \% R \rightarrow Q$ is the father of R

$R - T \rightarrow R$ is the brother of T

$T + S \rightarrow T$ is the sister of S.

Therefore, T is the daughter of P.

15. **Pointing to a woman, Abhijit said, "Her granddaughter is the only daughter of my brother." How is the woman related to Abhijit?**

- A. Sister
- B. Grandmother
- C. Mother-in-law

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D. Mother

Explanation:

Daughter of Abhijit's brother → niece of Abhijit. Thus the granddaughter of the woman is Abhijit's niece.

Hence, the woman is the mother of Abhijit.

16. Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl?

- A. Brother
- B. Grandfather
- C. Husband

D. Father-in-law

Explanation:

The girl is the wife of grandson of Amit's mother i.e., the girl is the wife of son of Amit. Hence, Amit is the father-in-law of the girl.

17. A and B are children of D. Who is the father of A? To answer this question which of the statements (1) and (2) is necessary?

C is the brother of A and the son of E.

F is the mother B.

- A. Only (1)
- B. Only (2)
- C. Either (1) or (2)
- D. (1) and (2) both

Explanation:

A and B are children of D.

From (1), C is the brother B and son of E.

Since, the sex of D and E are not known. Hence (1) is not sufficient to answer the question.

From (2). F is the mother of B. Hence, F is also the mother of A. Hence D is the father of A.

Thus, (2) is sufficient to answer the question.

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

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How is the woman related to the man?

- A. Mother
- B. Grandmother
- C. Sister
- D. Daughter

Explanation:

Only daughter of my mother → myself.

Hence, the woman is the mother of the man.

19. If $P \$ Q$ means P is the brother of Q; $P \# Q$ means P is the mother of Q; $P * Q$ means P is the daughter of Q in $A \# B \$ C * D$, who is the father?

- A. D
- B. B
- C. C
- D. Data is inadequate

Explanation:

A is the mother of B, B is the brother of C and C is the daughter of D. Hence, D is the father.

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A           (Parents)           D
|                               |
|                               |
|                               |
B - is - Brother - of - C
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20. Introducing Sonia, Aamir says, "She is the wife of only nephew of only brother of my mother." How Sonia is related to Aamir?

- A. Wife
- B. Sister
- C. Sister-in-law
- D. Data is inadequate

Explanation:

Brother of mother means maternal uncle. Hence only nephew of Aamir's maternal uncle means Aamir himself. Therefore Sonia is the wife of Aamir.