

Blood Relation

Questions Solution

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Blood Relation Questions With Solution

Directions (1-3): Study the following information carefully to answer the questions that follow:

A is father of B and C is mother of A. E is sister of F whose daughter is G. S, the husband of C is the grandfather of G. P is father of E and brother of R. S has only two children, both of opposite sex.

1. What is the relation between F and S?
- A) F is daughter of S
 - B) F is sister of S
 - C) F is son of S
 - D) F is daughter in law of S
 - E) Either A option or D option

View Answer

Option D

Explanation:

C and S have 2 children, one is A who is male (A is father of B). since C is the grandfather of G so F should be wife of A to have the relation C is the grandfather of G.

If F was daughter of C and S, so C would have been maternal grandfather of her daughter G.

2. What is the relation between E and B?
- A) E is sister of B
 - B) E is brother of B
 - C) E is aunt of B
 - D) E is maternal grandmother of B
 - E) None of these

View Answer

Option C

Explanation:

E is sister of F and B is child of F

3. What is the relation between B and G?
- A) B is sister of G
 - B) B is brother of G
 - C) B is aunt of G
 - D) There is no relation
 - E) None of these

View Answer

Option E

Explanation:

Since gender of B is not known, either sister or brother of G

Directions (4-6):

A is mother of D who is father of G. B is grandfather of E and husband of A. D who has only two children is brother of C. A has two children both of same gender. J is aunt of H who is sister of G.

4. What is the relation between J and D?

- A) J is sister of D
- B) J is mother of D
- C) J is aunt of D
- D) Cannot be determined
- E) None of these

View Answer

Option E

Explanation:

H is sister of G and G is child of D. so H and G children of D. J is aunt of H. so J can be wife of D's brother C or J can be sister of D's wife. In both cases J will be sister in law of D.

5. What is the relation between C and E?

- A) C is brother of E
- B) C is father of E
- C) C is uncle of E
- D) Cannot be determined
- E) None of these

View Answer

Option B

Explanation:

B and A are husband wife, who have 2 children of same sex. A is mother of D who is father of G. this means both children are males. D is brother of C, so C and D both are sons of A and B. D also has two children – G and H. if B is grandfather of E then C must be father of E.

6. At least how many male members can be predicted by the given relations?

- A) 2
- B) 3
- C) 4
- D) 5
- E) None of these

View Answer

Option B

Explanation:

B, C, and D are certainly males

H and J are females. Gender of E and G not known.

Directions (7-8):

A has two sons. E is the daughter of G and B is the mother of C. F, the brother of E is the son of C who is the son of A. A is grandfather of J who is not a sibling of E. B has a child named D.

7. What is the relationship between D and J?

- A) D is father of J
- B) D is uncle of J
- C) J is son of D
- D) Cannot be determined
- E) None of these

View Answer

Option D

Explanation:

A has two sons, but it is not mentioned that A has only 2 sons. So A and B can have daughters also. Also it is not known that D is son of A or daughter of A, so J can be child of D or D can be uncle/aunt of J.

8. What is the ratio of males to females in the family?

- A) 1 : 1
- B) 1 : 3
- C) 5 : 3
- D) 3 : 5
- E) Cannot be determined

View Answer

Option E

Explanation:

J's and D's gender not known.

9. If 'P # Q' means 'P is the sister of Q', 'P + Q' means 'P is the wife of Q', 'P @ Q' means 'P is the son of Q', and 'P \$ Q' means 'P is the mother of Q', then what will come in the place of question mark, if it is provided that 'D is the daughter-in-law of T' in the expression 'D \$ R ? L @ T'?

- A) +
- B) #

- C) \$
- D) @
- E) + or @

View Answer

Option D

Explanation:

L is son of T, D is mother of R, so R should be child of D and L, for D to be daughter in law of T.

10. F is the Father of D, who is the father of S. M is the grandmother of R, who is the son of O. N is paternal uncle of R, who is brother of S. What is the relationship between O and R?

- A) Mother and son
- B) uncle and nephew
- C) Father and son
- D) No relation
- E) Cannot be determined

View Answer

Option A

Explanation:

R is brother of S means D is father of R. R is son of O also, so O is mother of R.

Directions (1 – 3):

B is the mother of C who is the sister of G and H only. I is the son of H. D is the father of E. Among the children of A and B, only 1 is unmarried. G is the uncle of E who is the sister of F. C has only 2 children.

1. How is G related to B?
 - A) son
 - B) daughter
 - C) son-in-law
 - D) daughter-in-law
 - E) Cannot be determined

View Answer

Option A

Explanation:

G is the uncle so is male. so is son of B

2. Who is the unmarried child of A and B?
 - A) C
 - B) G
 - C) H

- D) E
E) Cannot be determined

View Answer

Option B

Explanation:

I is son of H and C has 2 children, so G is left. Also A and B have only 3 children because C is sister on only H and G.

3. Who is the mother of F?
A) C
B) H
C) B
D) Cannot be determined
E) None of these

View Answer

Option D

Explanation:

E is sister of F, D being their father. But no relation is given between C and D or H and D. C can be F's mother or H can also be F's mother because not specified that H has how many children.

Directions (4 – 5): Consider the following relationships and answer based on the relationships given below:

'P % Q' means 'P is daughter of Q'

'P # Q' means 'P is wife of Q'

'P \$ Q' means 'P is father of Q'

'P @ Q' means 'P is brother of Q'

4. N @ B \$ M % D indicates what relationship between N and D?
A) D is sister of N
B) D is nephew of N
C) D is sister in law of N
D) N is wife of D
E) None of these

View Answer

Option C

Explanation:

N is brother of B, B is father of M and M is daughter of D, so L is daughter of B and D, B is father so D is female, and so sister in law of N.

5. The expression “M # Q @ D % S” indicates which of the following relationship?

- A) Q is father of S
- B) D is brother-in-law of M
- C) M is sister of S
- D) S is mother-in-law of M
- E) None of above

View Answer

Option E

Explanation:

M is wife of Q, Q is brother of D, so M is sister-in-law of D

D is daughter of S, so M must be daughter-in-law of S – but gender of S not known, and D sister-in-law of M

6. Looking at a lady in a photograph, Tanya said, “She is my mother’s mother’s daughter”. How is the lady related to Tanya?

- A) Aunt
- B) Sister
- C) Sister in law
- D) Daughter
- E) Cannot be determined

View Answer

Option E

Explanation:

Since it is not specified that mother’s mother have how many daughters, so lady can be mother or aunt of Tanya.

7. If ‘P \$ Q’ means ‘P is mother of Q’, ‘P # Q’ means ‘P is father of Q’, and ‘P @ Q’ means ‘P is husband of Q’, then in the expression “B @ K \$ W # M” what is the relationship of B with M?

- A) Paternal Grandmother
- B) Maternal Grandmother
- C) Paternal Grandfather
- D) Maternal Grandfather
- E) None of these

View Answer

Option C

Explanation:

B is husband of K, K is mother of W, so W is child of B and K
W is father of M, so M is grandchild of B and K, B being male here

Directions (8 – 10):

P is the brother of Q. C is the daughter of P and also sister of J. A is mother of J. S is father of A. D who is son of T is brother of A. B has only one son and is married to E, mother of P.

8. How is D related to J?

- A) son
- B) father
- C) brother-in-law
- D) uncle
- E) Cannot be determined

View Answer

Option D

Explanation:

D is brother of A and A is mother of J. So D is uncle of J.

9. If G is married to Q, how is B related to G?

- A) father
- B) father-in-law
- C) son-in-law
- D) uncle
- E) Cannot be determined

View Answer

Option B

Explanation:

E is mother of P, so B is his father, Q is child of B, so B is father-in-law of someone (here G) who is married to Q.

10. If A relates to S in the same way as J relates to P, then how is J related to Q?

- A) daughter
- B) nephew
- C) niece
- D) Cannot be determined
- E) None of these

View Answer

Option C**Explanation:**

A is daughter of S. So J is daughter of P hence is niece of Q.

Direction(1-5) Read the following information carefully to answer the following questions

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

'A © B' means 'B is the brother of A'

'A = B' means 'B is the sister of A'

'A & B' means 'A is the son of B'

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

'A @ B' means 'A is the mother of B'

1. **What does the expression 'P @ R = Q © S & T'?**

- A. T is the husband of P
- B. R is the son of T
- C. R is the daughter of T
- D. T is the wife of P
- E. None of these

Answer

Answer- **A. T is the husband of P**

2. **Which of the following indicates that 'A is the paternal uncle of B'?**

- A. A & U # Q @ R © B
- B. A & U & R @ Q © B
- C. B & R & Q @ U © A
- D. B & Q # U @ R © A
- E. None of these

Answer

Answer – **C. B & R & Q @ U © A**

3. **Which of the following can be the correct conclusion drawn from the expression**

'A = P # Q © V * R'?

- A. R is the grandson of P
- B. A is the uncle of Q
- C. Q is the uncle of R
- D. R is the niece of Q
- E. None of these

Answer

Answer **E. None of these**

4. **Which of the following can be correct conclusion drawn from the expression**

'E & C @ D © G = F'?

- A. D is the brother of F
- B. C has two sons and two daughters
- C. D is the sister of F
- D. F is the sister of E
- E. None of these

AnswerAnswer **D. F is the sister of E**

5. Which of the following indicates 'M is the daughter of N'?

- A. $Q * P \# C @ N @ V$
- B. $N * D \# R @ M @ B$
- C. $F @ N \# R * M$
- D. $F \odot M = B \# N$
- E. None of these

AnswerAnswer **B. $N * D \# R @ M @ B$**

Directions(6-8): Study the following information carefully and answer the questions given below:
P is the daughter of **Q**. **R** has only two children – **P** and **S**. **T** is the brother of **U**. **S** is married to **V**. **R** has only two daughters. **W** is the mother of **Q**. **T** is married to **P**. **W** is married to **X**. **R** is the son of **Y**.

6. Who among the following is the father of **Q**?

- A. **W**
- B. **Y**
- C. **R**
- D. **X**
- E. None of these

AnswerAnswer – **D. X**7. Who among the following is the sister-in-law of **U**?

- A. **S**
- B. **P**
- C. **Q**
- D. **W**
- E. **Y**

AnswerAnswer – **B. P**8. How is **R** related to **T**?

- A. Father-in-law
- B. Mother-in-law
- C. Father
- D. Mother
- E. Brother

AnswerAnswer **A. Father-in-law**

9.

Directions(Q.No: 9 & 10): Study the following information carefully and answer the questions given below:

P is the brother of Q. Q is the mother of R. R is the sister of S. S is married to T. U is the father of Q. U has only one daughter. U is married to V. P is the brother of W. X is the father-in-law of W.

6.

9. **How is W related to R?**

- A. Cannot be determined
- B. Mother
- C. Uncle
- D. Father
- E. Aunt

Answer

Answer **C. Uncle**

10. **If X is the father of M, then how is W related to M?**

- A. Cousin
- B. Husband
- C. Wife
- D. Cannot be determined
- E. Brother

Answer

Answer **B. Husband**

1 – 4:

'P × Q' means 'P is son of Q'.

'P + Q' means 'P is daughter of Q'.

'P ÷ Q' means 'P is wife of Q'.

'P – Q' means 'P is father of Q'.

1. **In the expression 'K + H – P ? Q', what will come in place of ? if Q is mother of K?**

- A) +
- B) –
- C) ÷
- D) ×
- E) None of these

Answer & Explanation

E) None of these

Explanation:

K daughter of H, H father of P, so K and P siblings, now Q to be mother of K – P must be son or daughter of Q. so both × and +

2. **Which of the following relation is true with regard to expression 'B ÷ P × Z – K + O'?**

- A) P is brother of O
- B) B is daughter-in-law of K
- C) B is daughter-in-law of O

- D) O is daughter of Z
E) None of these

Answer & Explanation

C) B is daughter-in-law of O

Explanation:

B wife of P, P son of Z, Z father of K – so P and K siblings, K daughter of O
So Z and O husband wife, P and K brother sister, B wife of P
So B is daughter-in-law of O

3. Which of the following pairs represent the first cousins in the expressions – ' $L \div V - J + P$ ' and ' $S \times A - D + F - E + K$ ' – if it is given that A is the sister of J?
- A) LP
B) SP
C) SK
D) SF
E) Cannot be determined

Answer & Explanation

B) SP

Explanation:

J father of P, and S son of A now given that A is the sister of J,
Now A and J siblings. P is J's child, and S is A's, so both first cousins

4. If it is provided that M is grandmother of P, then what will come in place of ? in expression – ' $P - H \div T ? M$ '?
- A) +
B) –
C) \div
D) \times
E) None of these

Answer & Explanation

E) None of these

Explanation:

P father of H, H wife of T.

Now for M to be grandmother of P, there is no relation given between T and M.

5 – 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'

5. **P @ R \$ J # T** indicates what relationship between P and J?

- A) J is sister of P
B) J is nephew of P
C) J is niece of P
D) Cannot be determined
E) None of these

Answer & Explanation**C) J is niece of P****Explanation:**

P is brother of R, R is father of J and J is wife of T

Since J is wife, so is a female, so she is niece of her father's brother

6. The expression "P # O @ G % F" indicates which of the following relationship?

- A) O is father of F
- B) G is brother-in-law of P
- C) P is sister of F
- D) F is mother-in-law of P
- E) Cannot be determined

Answer & Explanation**E) Cannot be determined****Explanation:**

P is wife of O, O is brother of G, so P is sister-in-law of G

G is daughter of F, so P must be daughter-in-law of F – but gender of F not known, and G sister-in-law of P (as G being a female)

7. A told to B, "Yesterday I met the only daughter of my grandmother." Whom did A meet?

- A) Cousin
- B) Mother
- C) Sister
- D) Nephew
- E) None of these

Answer & Explanation**E) None of these****Explanation:**

He met his aunt, i.e. his father's sister

8. Which of the following means that M is grandmother of N, if 'P \$ Q' means P is father of Q, 'P*Q' means P is mother of Q, 'P @ Q' means P is wife of Q'?

- A) M * R \$ T @ N
- B) M * R @ T @ N
- C) M * T \$ N \$ R
- D) M * T \$ R @ N
- E) Both C and D

Answer & Explanation**C) M * T \$ N \$ R****Explanation:**

Check all options

C) = M is mother of T, T father of N

9. Pointing to a lady, Arun said "The son of her only brother is the brother of my wife". How is the lady related to Arun?

- A) Mother's sister
- B) Grandmother

- C) Mother-in-law
- D) Sister of father-in-law
- E) Maternal aunt

Answer & Explanation**D) Sister of father-in-law****Explanation:**

Her brother is Arun's father-in-law, so she is sister of father-in-law

10. Pointing to a person, Arun said to Sarika, "His mother the only daughter of your father."
How is Sarika related to that person?

- A) Aunt
- B) Daughter
- C) Mother-in-law
- D) Mother
- E) Sister

Answer & Explanation**D) Mother****Explanation:**

Sarika's father's only daughter means Sarika herself, so Sarika is mother to that person (pointed to by His)

Direction(1-2) Read the following information carefully to answer the following questions-

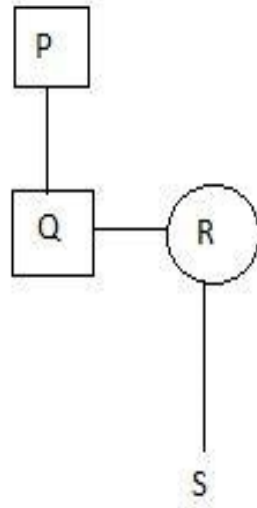
- A * B means A is the sister of B
- A ÷ B means A is the brother of B
- A + B means A is the father of B
- A – B means A is the mother of B

1. What is the relation between Q and R in 'P + Q ÷ R – S'

- a) Q is the aunt of R
- b) Q is the brother of R
- c) Q is the mother of R
- d) Q is the father of R
- e) None of these

Answer & Explanation

Answer –b) Q is brother of R

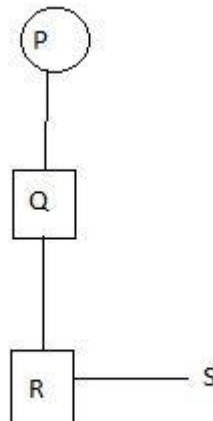


Explanation :

2. In $P - Q + R \div S$, what is P to R-
- Grandfather
 - mother
 - grandmother
 - father
 - None of these

Answer & Explanation

Answer –c) grandmother

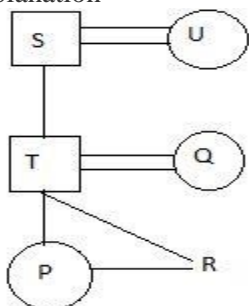


Explanation :

Direction(Q3 – Q5) There is family of 6 members P, Q, R, S, T and U in which two are married couples. S is the grandfather of P and father of T. Q is the wife of T and mother of R. P is the granddaughter of S.

Explanation

Explanation –



SU and TQ are couples

3. **How many males are there in the family?**

- a) two
- b) three
- c) four
- d) can't be determined
- e) None of these

Answer & Explanation

Answer –d) can't be determined

Explanation :Gender of R is unknown

4. **What is the relation between U and T?**

- a) U is the father of T
- b) U is the mother of T
- c) U is the mother in law of T
- d) There is no relation between U and T
- e) None of these

Answer

Answer –b) U is the mother of T

5. **Which among the following is one of the couple?**

- a) TU
- b) SQ
- c) SU
- d) TP
- e) None of these

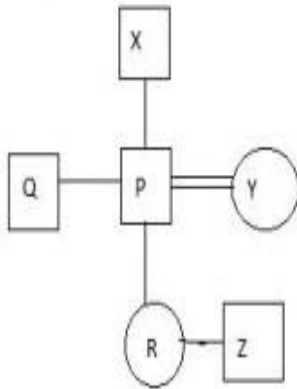
Answer

Answer –c) SU

Direction(Q6 – Q10) In a family there are 6 members P, Q, R, X, Y and Z. R is the sister of Z. X is the father of P and grandfather of Z. Q is the brother of Y's husband. There are three brothers, one mother and two fathers.

Explanation

Explanation :



6. Who is the mother of R?

- a) Q
- b) Z
- c) Y
- d) X
- e) None of these

Answer

Answer – c) Y

7. Who is Y's husband ?

- a) Q
- b) P
- c) X
- d) Can't be determined
- e) None of these

Answer

Answer – b) P

8. How many females are there in the family?

- a) One
- b) two
- c) three
- d) four

Answer

Answer – b) two

9. Which of the following is the group of brothers ?

- a) PQZ
- b) PRZ
- c) XZP

- d) QRZ
- e) None of these

Answer & Explanation

Answer – a) PQZ

Explanation :

P and Q are brothers and Z is the brother of R

10. How is Q related to Y?

- a) sister in law
- b) Brother in law
- c) Father in law
- d) Mother in law
- e) None of these

Answer

Answer – b) Brother in law

Direction(1-5) Read the following information carefully to answer the following questions

'P # Q' means 'P is the daughter of Q'

'P © Q' means 'Q is the brother of P'

'P = Q' means 'Q is the sister of P'

'P & Q' means 'P is the son of Q'

'P * Q' means 'P is the father of Q'

'P @ Q' means 'P is the mother of Q'

1. What does the expression 'A @ C = B © D & E'?

- A. E is the husband of A
- B. C is the son of E
- C. C is the daughter of E
- D. E is the wife of A
- E. None of these

Answer

Answer- A. E is the husband of A

2. Which of the following indicates that 'W is the paternal uncle of P'?

- A. W & U # Q @ R © P
- B. W & U & R @ Q © P
- C. P & R & Q @ U © W
- D. P & Q # U @ R © W
- E. None of these

Answer

Answer – C. P & R & Q @ U © W

3. Which of the following can be the correct conclusion drawn from the expression

'O = P # Q © V * W'?

- A. W is the grandson of P

- B. O is the uncle of Q
- C. Q is the uncle of W
- D. W is the niece of Q
- E. None of these

Answer

Answer **E. None of these**

4. Which of the following can be correct conclusion drawn from the expression

‘A & C @ D © G = H’?

- A. D is the brother of H
- B. C has two sons and two daughters
- C. D is the sister of H
- D. H is the sister of A
- E. None of these

Answer

Answer **D. H is the sister of A.**

5. Which of the following indicates ‘A is the daughter of E’?

- A. Q * P # C @ N @ V
- B. E * D # R @ A @ B
- C. F @ E # R * A
- D. F © A = B # E
- E. None of these

Answer

Answer **B. E * D # R @ A @ B**

Directions(6-8): Study the following information carefully and answer the questions given below:
A is the daughter of E. F has only two children – A and G. H is the brother of I. G is married to K. F has only two daughters. M is the mother of E. H is married to A. M is married to N. F is the son of O.

6. Who among the following is the father of E?

- A. M
- B. O
- C. F
- D. N
- E. None of these

Answer

Answer – **D. N**

7. Who among the following is the sister-in-law of I?

- A. G
- B. A
- C. E

- D. M
- E. O

Answer

Answer – **B. A**

8. **How is F related to H?**

- A. Father-in-law
- B. Mother-in-law
- C. Father
- D. Mother
- E. Brother

Answer

Answer **A. Father-in-law**

Directions(Q.No: 9 & 10): Study the following information carefully and answer the questions given below:

A is the brother of B. B is the mother of C. C is the sister of E. E is married to F. G is the father of B. G has only one daughter. G is married to H. A is the brother of I. L is the father-in-law of I.

9. **How is I related to C?**

- A. Cannot be determined
- B. Mother
- C. Uncle
- D. Father
- E. Aunt

Answer

Answer **C. Uncle**

10. **If L is the father of M, then how is I related to M?**

- A. Cousin
- B. Husband
- C. Wife
- D. Cannot be determined
- E. Brother

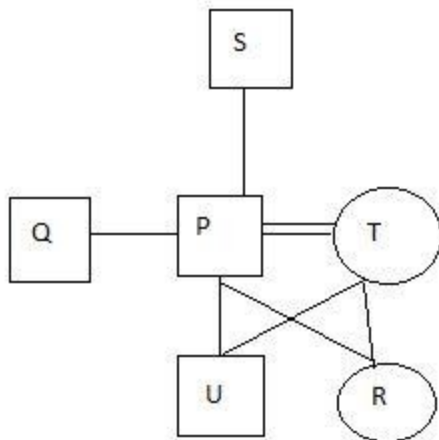
Answer

Answer **B. Husband**

Direction(1-4) Read the following information carefully to answer the following questions

There are six persons P, Q, R, S, T and U in a family. There are two fathers, three brothers and a mother in the family. R is the sister of U. Q is the brother of T's husband. S is the father of P and grandfather of U.

Explanation



1. Who is the mother in the family?

- ☐ a) P
- ☐ b) R
- ☐ c) T
- d) S
- e) None of these

Answer

Answer – c) T

2. How many males are there in the family?

- a) one
- b) two
- c) three
- d) four
- e) None of these

Answer

Answer – d) four

3. How is U related to T?

- a) son
- b) daughter
- c) niece
- d) nephew
- e) None of these

Answer

Answer – a) son

4. Which of the following is the group of brothers?

- a) SUQ
- b) SPQ
- c) PQU

- d) SQU
- e) None of these

Answer

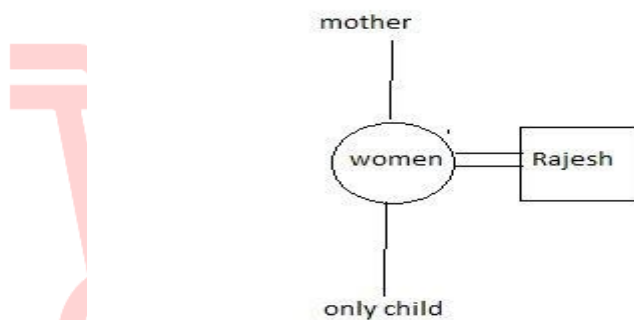
Answer – c) PQU

5. Pointing to a woman in the picture, Rajesh said her mother has only one grandchild whose mother is my wife. How is the woman in the picture related to Rajesh?

- a) daughter
- b) niece
- c) wife
- d) sister-in-law
- e) None of these

Answer & Explanation

Answer – c) wife

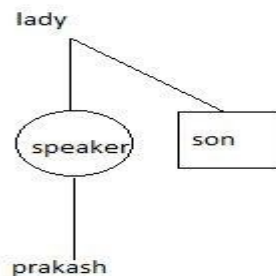
**Explanation :**

6. Pointing to a photograph a lady tells prakash I am the only daughter of this lady and her son is your maternal uncle. How the speaker related to prakash father?

- a) wife
- b) daughter
- c) sister-in-law
- d) mother-in-law
- e) None of these

Answer & Explanation

Answer – a) wife

**Explanation :**

Direction: Q(7 – 8) Read the following information carefully to answer the following questions

A * B means A is the sister of B

A ÷ B means A is the brother of B

A + B means A is the father of B

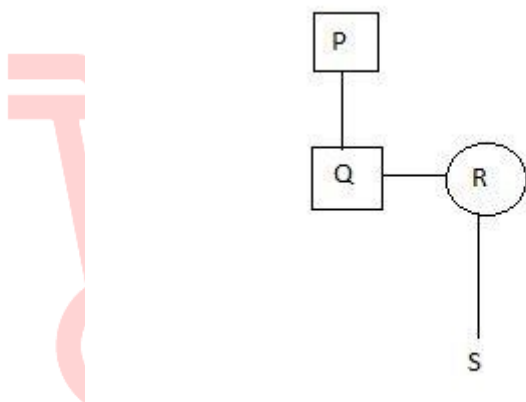
A – B means A is the mother of B

7. What is the relation between Q and S in 'P + Q ÷ R – S'

- a) Q is the aunt of S
- b) Q is the uncle of S
- c) Q is the mother of S
- d) Q is the father of S
- e) None of these

Answer & Explanation

Answer – b) Q is the uncle of S



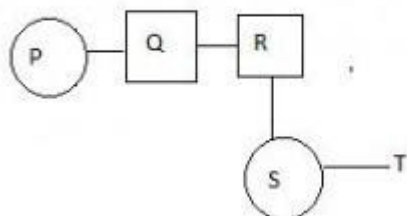
Explanation :

8. What is the relation between T and Q in 'P*Q÷R+S*T'

- a) T is the niece of Q
- b) T is the son of Q
- c) T is the nephew of Q
- d) either a and b
- e) None of these

Answer & Explanation

Answer – d) either a and b



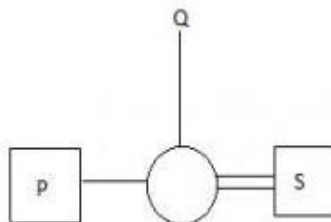
Explanation :

9. S, the son-in-law of Q, is the brother-in-law of P who is the brother of R. How is P related to Q?

- a) Brother
- b) son
- c) father
- d) data inadequate
- e) None of these

Answer & Explanation

Answer – b) son



Explanation :

the wife of S or may be the brother/sister of P. But the Relation between P and Q can be derived from the above information

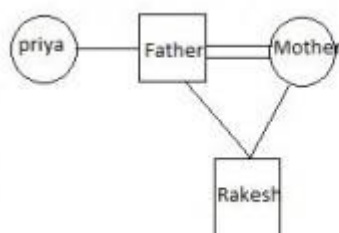
Place of R is not fixed, it may be

10. Rakesh introduced Priya as the sister of the father of my mother's son . How is Priya related to Rakesh.

- a) Aunt
- b) sister
- c) sister-in-law
- d) wife
- e) None of these

Answer & Explanation

Answer – a) Aunt



Explanation :

Direction(1-5) Read the following information carefully to answer the following questions

- 'P # Q' means 'P is the daughter of Q'
- 'P © Q' means 'Q is the brother of P'
- 'P = Q' means 'Q is the sister of P'
- 'P & Q' means 'P is the son of Q'
- 'P * Q' means 'P is the father of Q'
- 'P @ Q' means 'P is the mother of Q'

1. Which of the following indicates that 'A is the paternal uncle of S'?

- 1.A & M # P @ K © S
- 2.A & M & K @ P © S
- 3.S & K & P @ M © A
- 4.S & P # M @ K © A
- 5.None of these

Answer

Answer – 3.S & K & P @ M © A

2. What does the expression 'A @ M = L © D & N'?

- 1.N is the wife of A
- 2.M is the son of N
- 3.M is the daughter of N
- 4.N is the husband of A
- 5.None of these

Answer

Answer – 4.N is the husband of A

3. Which of the following indicates 'M is the daughter of S'?

- 1.M * A # R @ S @ T
- 2.S * A # R @ M @ T
- 3.Y @ S # O * M
- 4.Y © M = T # S
- 5.None of these

Answer

Answer – 2.S * A # R @ M @ T

4. Which of the following can be correct conclusion drawn from the expression 'E&L @ C © T = R'?

- 1.C is the brother of R
- 2.L has two sons and two daughters
- 3.C is the sister of E
- 4.R is the sister of E
- 5.None of these

Answer

Answer – 4.R is the sister of E

5. Which of the following can be the correct conclusion drawn from the expression 'T = R # U © S * K'?

- 1.K is the grandson of R
- 2.T is the uncle of U
- 3.U is the uncle of K
- 4.K is the niece of U
- 5.None of these

Answer

Answer – 5.None of these

Direction: Q(6-8)

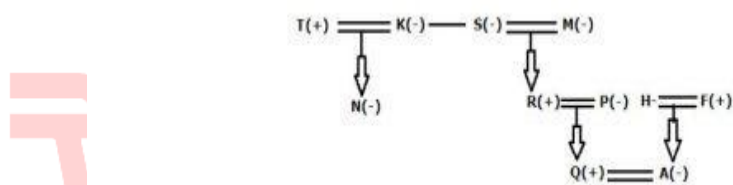
K is sister of S. S is married to M. M is father of R. Q is son of P. S is mother-in-law of P. M has only one son and no daughter. K is married to T. N is daughter of K.

6. **How is P related to M?**

- 1.Uncle
- 2.Son
- 3.Daughter in law
- 4.Grandson
- 5.None of these

Answer & Explanation

Answer – 3.Daughter in law



Explanation :

7. **How is K related to R ?**

- 1.Mother
- 2.Sister
- 3.Aunt
- 4.Mother-in-law
- 5.None of these

Answer

Answer – 3.Aunt

8. **A is the daughter of F. H is married to F. F is brother of B. Q is married to A. How H related to Q ?**

- 1.Mother-in-law
- 2.Mother
- 3.Aunt
- 4.Daughter
- 5.None of these

Answer

Answer – 1.Mother-in-law

Direction: Q(9-10)

M+N means M is Sister of N

M@N means M is Father of N

M÷N means M is Son of N

M%N means M is Mother of N

9. If L is grandson of M is to be true in the given expression, what will come in the place of ?
 $M \% G @ L ? R$

- 1.+
- 2.@
3. %
4. ÷
5. None of these

Answer & Explanation

Answer – 4. ÷

Explanation :

$M \% G @ L \div R$

M mother G Father L Son R

10. In which of the following pairs is the first person daughter of the second person with regard to the expression

$K @ R \div M + T \div N$

1. R, T
2. K, N
3. N, R
4. M, N
5. None of these

Answer & Explanation

Answer – 4. M, N

Explanation :

K- Father –R- son- M- sister –T- son-N

Direction Question(1-3):

In a family there are two fathers, two mothers, one sister, one brother, two daughter, one mother-in-law, one daughter-in-law, two sister-in-law, one son, one grandfather, one grand mother and one grand daughter.

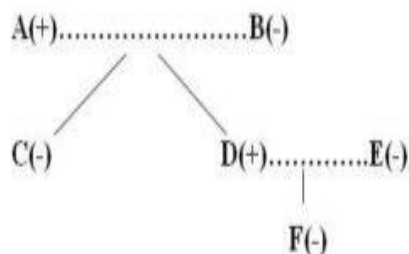
1. How many married couples are there in the family ?

1. Three
2. One
3. Two
4. Four
5. None of these

Answer & Explanation

Answer – 3.Two

Explanation :



2. **How many female members in their family ?**

- 1.Three
- 2.Two
- 3.Four
- 4.One
- 5.None of these

Answer

– 3.Four

3. **What is the maximum number of people in the family ?**

- 1.8
- 2.7
- 3.5
- 4.6
- 5.None of these

Answer

– 4.6

Direction Question(4-6): Study the following information carefully to answer the given questions

P @ Q means P is sister of Q

P % B means P is son of Q

P \$ Q means P is mother of Q

P # Q means P is father of Q

Which of the following should come in place of ? to make the expression M is grandfather of S ?

4. **U % M # R ? T # S**

- 1.\$
- 2.%
- 3.@
- 4.#
- 5.None of these

Answer & Explanation

Answer – 3.@

Explanation :

U son :M father: R sister: T father S

V \$ O # Y @ Z % P

- 1.Grandmother
- 2.Sister
- 3.Wife
- 4.Mother
- 5.None of these

Answer – **3.Wife**

Explanation :

V mother O father Y sister Z son P

Hence OP \Rightarrow Husband & wife \Rightarrow YZ \Rightarrow Children of OP

- 1.Aunty
- 2.Grand Father
- 3.Mother
- 4.Grand Mother
- 5.None of these

Answer – 4. Grand Mother

Explanation :

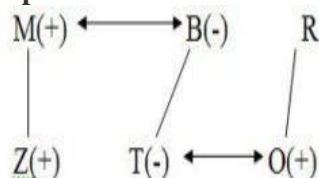
A sister I son D mother F father G

How is B related to R ?

- 1.Mother
- 2.Father
- 3.Uncle
- 4.Grand mother
- 5.None of these

Answer – 4. Grand mother

Explanation :



$P \times Q$ means P is father of Q

P + Q means P is wife of Q

$P \div Q$ means P is daughter of Q

P – Q means P is son of Q

8. Which of the following relations are true based upon the relation given in the equation ?

$$A - B \times C + D - E$$

- 1.E is mother-in-law of C
- 2.D is brother of A
- 3.E is wife of B
- 4.A is brother of C
- 5.None of these

Answer & Explanation

Answer – 4.A is brother of C

Explanation :

A son B father C wife D son E

9. What will come in the place of ? to establish that M is the nephew of N in the expression M ? $K \div L \times N$

- 1.+
2. \div
3. \times
- 4.-
- 5.None of these

Answer & Explanation

Answer – 4.-

Explanation :

$$M - K \div L \times N$$

M son K daughter L father N

10. How is A related to E in the expression $A \div H \times G - B \div E$?

- 1.Daughter-in-law
- 2.Granddaughter
- 3.Daughter
- 4.Grandson
- 5.None of these

Answer

Answer – 2.Granddaughter

Explanation :

A daughter H father G son B daughter E

Direction(1-5) Read the following information carefully to answer the following questions

'P # Q' means 'P is the daughter of Q'

'P © Q' means 'Q is the brother of P'

'P = Q' means 'Q is the sister of P'

'P & Q' means 'P is the son of Q'

'P * Q' means 'P is the father of Q'

'P @ Q' means 'P is the mother of Q'

1. What does the expression 'P @ R = S © T & V'?

- A. V is the husband of P
- B. R is the son of V

- C. R is the daughter of V
- D. V is the wife of P
- E. None of these

Answer

Answer A. V is the husband of P

2. Which of the following indicates that 'C is the paternal uncle of D'?

- A. $C \& V \# N @ L \odot D$
- B. $C \& V \& L @ N \odot D$
- C. $D \& L \& N @ V \odot C$
- D. $D \& N \# V @ L \odot C$
- E. None of these

Answer

Answer C. $D \& L \& N @ V \odot C$

3. Which of the following can be the correct conclusion drawn from the expression

' $L = M \# N \odot P * Q$ '?

- A. Q is the grandson of M
- B. L is the uncle of N
- C. N is the uncle of Q
- D. Q is the niece of N
- E. None of these

Answer

Answer E. None of these

4. Which of the following can be correct conclusion drawn from the expression

' $Q \& N @ S \odot M = P$ '?

- A. S is the brother of P
- B. N has two sons and two daughters
- C. S is the sister of Q
- D. P is the sister of Q
- E. None of these

Answer

Answer D. P is the sister of Q

5. Which of the following indicates 'Q is the daughter of N'?

- A. $Q * P \# C @ N @ V$
- B. $N * P \# C @ Q @ V$
- C. $M @ N \# R * Q$
- D. $M \odot Q = V \# N$
- E. None of these

Answer

Answer B. $N * P \# C @ Q @ V$

Directions(6-8): Study the following information carefully and answer the questions given below:
S is the daughter of U. V has only two children – S and Y. P is the brother of B. Y is married to D.
V has only two daughters. J is the mother of U. P is married to S. J is married to L. V is the son of T.

6. Who among the following is the father of U?

- A. J
- B. T
- C. V
- D. L
- E. None of these

Answer

Answer **D. L**

7. Who among the following is the sister-in-law of B?

- A. Y
- B. S
- C. U
- D. J
- E. T

Answer

Answer **B. S**

8. How is V related to P?

- A. Father-in-law
- B. Mother-in-law
- C. Father
- D. Mother
- E. Brother

Answer

Answer **A. Father-in-law**

Directions(Q.No: 9 & 10): Study the following information carefully and answer the questions given below:

K is the brother of J. J is the mother of Y. Y is the sister of T. T is married to Q. S is the father of J. S has only one daughter. S is married to R. K is the brother of D. U is the father-in-law of D.

9. How is D related to Y?

- A. Cannot be determined
- B. Mother
- C. Uncle
- D. Father
- E. Aunt

Answer

Answer **C. Uncle**

10. If U is the father of C, then how is D related to C?

- A. Cousin
- B. Husband
- C. Wife
- D. Cannot be determined
- E. Brother

Answer

Answer **B. Husband**

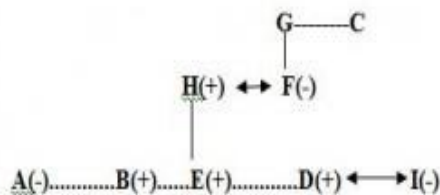
1. Q(1-3) A is sister of B. E is brother of B. E is son of H. H is married to F. F is daughter of G. G has only one daughter. G is married to C. E is brother of D. D is married to I.

How is I related to A ?

- 1. Sister
- 2. Mother
- 3. Daughter-in-law
- 4. Sister-in-law
- 5. None of these

Answer & Explanation

Answer – **4. Sister-in-law**



Explanation :

2. If M is brother of C then how is G related to M ?

- 1. Cousin
- 2. Uncle
- 3. Brother
- 4. Can't be determined
- 5. None of these

Answer & Explanation

Answer – **4. Can't be determined**

Explanation :

Gender of G is not known

3. If R is daughter of I then how B is related to R ?

- 1. Uncle
- 2. Brother
- 3. Father
- 4. Can't be determined
- 5. None of these

Answer & Explanation

Answer – 1.Uncle

Explanation :

R daughter I brother B

4. **Q(4-5)** $A \times B$ means A is brother of B

$A \div B$ means A is sister of B

$A + B$ means A is father of B

$A - B$ means A is mother of B

Which of the following means P is nephew of K ?

1. $P \times M \div K \times T$

2. $T + M - P \times K$

3. $K - M \div T + P$

4. $K \div M - P \times T$

5. None of these

Answer & Explanation

Answer – 4. $K \div M - P \times T$

Explanation :

K sister M mother P brother T

5. **Which of the following means F is grandfather of G ?**

1. $F + J - G$

2. $F - J + G$

3. $H * F + G$

4. $G \div J * F$

5. None of these

Answer & Explanation

Answer – 1. $F + J - G$

Explanation :

F father J mother G

6. **Micael said, pointing to Mahavir “He is son of my grandfather’s daughter”.**How is Micael related to Mahavir ?

1. Grandfather

2. Cousin

3. Uncle

4. Brother

5. None of these

Answer & Explanation

Answer – 2. Cousin

Explanation :

Grand father’s daughter’ son – son => Cousin

7. **Q(7-8)** $M + N$ means M is Sister of N

$M @ N$ means M is Father of N

$M \div N$ means M is Son of N

$M \% N$ means M is Mother of N

What will come in the place of ?. If P is grandson of Q is to be true in the given expression $Q \% T$

@ P ? S

- 1.+
- 2.÷
- 3.%
- 4.@
- 5.None of these

Answer & Explanation

Answer – 2.÷

Explanation :

Q % T @ P ÷ S

Q mother T Father P Son S

8. In which of the following pairs is the first person daughter of the second person with regard to the expression $F @ G \div I + J \div H$

- 1.G, J
- 2.F, H
- 3.H, G
- 4.I, H
- 5.None of these

Answer & Explanation

Answer -4.I, H

Explanation :

F- Father –G- son- I- sister –J- son- H

9. Pointing to a lady in the photograph Kiran said, “She is the daughter of the daughter of the only son of my grand father.” How is the lady related to Kiran ?

- 1.Sister
- 2.Maternal aunt
- 3.Niece
- 4.Cousin
- 5.None of these

Answer & Explanation

Answer -3.Niece

Explanation :

Grandfather –son-daughter of daughter

His sister’s daughter

10. Pointing to a lady in photograph, Nitesh said, “Her mother is the only daughter of my mother’s mother.” How is Nitesh related to the lady?

- 1.Nephew
- 2.Uncle
- 3.Maternal uncle
- 4.Brother
- 5.None of these

Answer & Explanation

Answer – 4. Brother

Explanation :

Nitesh's mother's sister's son => brother

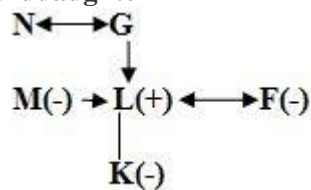
1. Q(1-2) M is daughter of N and sister of L. K is daughter of L and granddaughter of G. F is sister-in-law of M. L is only sibling of M.

How is K related to N ?

1. Grandson
2. Granddaughter
3. Daughter
4. Daughter-in-law
5. None of these

Answer & Explanation

Answer – 2. Granddaughter



Explanation :

2. **How is F related to G ?**

1. Daughter
2. Mother
3. Daughter-in-law
4. Mother-in-law
5. None of these

Answer

Answer – 3. Daughter-in-law

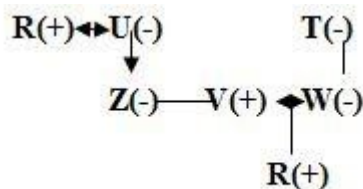
3. Q(3-4) X is married to Y. Y is mother of Z. Z is sister of V. Y has only one daughter. V is married to W. R is son of W. T is mother of W.

How is X related to R ?

1. Grandfather
2. Father
3. Uncle
4. Father-in-law
5. None of these

Answer & Explanation

Answer – 1. Grandfather



Explanation :

4. How is V related to T ?

- 1.Son
- 2.Daughter
- 3.Brother
- 4.Son-in-law
- 5.None of these

Answer

Answer – 4.Son-in-law

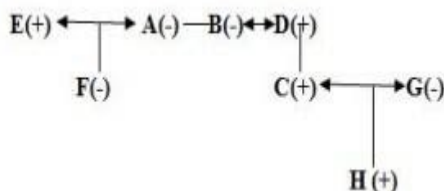
5. Q(5-8).A is sister of B. B is married to D. D is father of C. H is son of G. B is mother-in-law of G. D has only one son and no daughter. A is married to E. F is daughter of A.

How is H related to D ?

- 1.Uncle
- 2.Son
- 3.Brother
- 4.Grandson
- 5.None of these

Answer & Explanation

Answer – 4.Grandson



Explanation :

6. How is A related to C ?

- 1.Mother
- 2.Sister
- 3.Aunt
- 4.Mother-in-law
- 5.None of these

Answer – 3.Aunt

7. How is F related to B ?

- 1.Mother
- 2.Sister
- 3.Daughter
- 4.Aunt
- 5.None of these

Answer

Answer – 4.Aunt

8. K is the daughter of I. J is married to I. I is brother of L. H is married to K. How J related to H ?

- 1.Mother-in-law

- 2.Mother
- 3.Aunt
- 4.Daughter
- 5.None of these

Answer

Answer – 1.Mother-in-law

9. If $P+Q$ means P is the sister of Q, $P-Q$ means P is brother of Q, $P*Q$ means P is daughter of Q. Which of the following shows the relation that K is a uncle of O.

- 1. $O*F-K$
- 2. $K*F+O$
- 3. $F*K+O$
- 4. $O+K*F$
- 5.None of these

Answer – 5.None of these

10. M and N are sisters. X and Y are brothers. M's daughter is X's sister. what is N's relation to Y?

- 1.Aunt
- 2.Sister
- 3.Mother-in-law
- 4.Daughter
- 5.None of these

Answer & Explanation

Answer – 1.Aunt

Explanation :

M— N—sister

A(M's daughter – X's sister)

X—Y—brother