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Read the following informations carefully and answer the questions given below:

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

1) If  $A + B \# C - D$ , then A is D's

- a) Father                      b) Grandmother  
c) Sister                      d) Grandfather

2) Which of the following shows that A is the aunt of E ?

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

Read the following information carefully and answer the questions given below it,

'X + Y' means 'X is the father of Y',  
'X - Y' means 'X is the wife of Y',  
'X x Y' means 'X is the brother of Y',  
'X ÷ Y' means 'X is the daughter of Y'.

3) If it is given  $P \times R \div Q$ , then which of the following is true ?

- a) P is the uncle of Q  
b) P is the father of Q  
c) P is the brother of Q  
d) P is the son of Q

4) If 'P - Q', means Q is son of P, 'P x Q' means P is brother of Q, 'P ÷ Q' means Q is sister of P and 'P + Q' means P is mother of Q, then which of the following is definitely true about 'N x K - M ÷ L' ?

- a) K is father of L and M  
b) L is daughter of K and niece of uncle N  
c) K is father of L and M, his son and daughter respectively

d) M is uncle of K's brother N

5) If it is given 'P x R - Q', then which of the following is true ?

- a) P is the brother-in-law of Q  
b) P is the brother of Q  
c) P is the uncle of Q  
d) P is the father of Q

Read the following informations carefully and answer the questions given below it,

'X + Y' means 'X is the father of Y',  
'X - Y' means 'X is the wife of Y',  
'X x Y' means 'X is the brother of Y',  
'X ÷ Y' means 'X is the daughter of Y'.

6) If it is given 'P - R + Q', then which of the following is true ?

- a) P is the mother of Q  
b) Q is the daughter of P  
c) P is the aunt of Q  
d) P is the sister of Q

7) If 'P - R x Q', then which of the following is true ?

- a) P is the sister of Q  
b) Q is the son of P  
c) Q is the husband of P  
d) P is the sister-in-law of Q

8) If it is given 'P ÷ R + S + Q', then which of the following is true ?

- a) P is the daughter of Q  
b) Q is the aunt of P  
c) P is the aunt of Q  
d) P is the mother of Q

9) If 'P + R ÷ Q', then which of the following is true ?

- a) P is the husband of Q  
b) P is the brother of Q  
c) P is the son of Q  
d) P is the father of Q





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10) If 'P x R + Q', which of the following statements is true ?

- a) P is the uncle of Q
- b) Q is the father of P
- c) P is the brother-in-law of Q
- d) P is the grandfather of Q

Study the following information carefully and find the answer for these questions given below,

'X \$ Y' means 'X is the mother of Y',  
'X @ Y' means 'X is the husband of Y',  
'X # Y' means 'X is the father of Y',  
'X % Y' means 'X is the daughter of Y'.

11) Which of the following expressions indicates 'R' is the sister of 'H' ?

- a) R\$D@F#H
- b) H%D@F\$R
- c) R%D@F\$H
- d) H\$D@F#R
- e) None of these

12) If P + Q means P is the husband of Q; P - Q means P is the sister of Q and P x Q means P is the son of Q, which of the following shows A is the daughter of B?

- a) B + C x A
- b) D x B + C + A
- c) C x B + A
- d) A + D x B
- e) None of these

13) If A x B means A is the mother of B; A + B means A is the brother of B; A x B means A is the son of B and A - B means A is the daughter of B, which of the following means C is the niece of D ?

- a) D x P - C
- b) C - P ÷ D
- c) D - C
- d) P + D + C
- e) D - P ÷ C

14) X - Z means X is the mother of Z; X x Z means X is the father of Z and X + Z means X is the daughter of Z. Now, if M - N x T + Q, then which of the following is not true ?

- a) N is wife of Q

- b) M is mother-in-law of Q
- c) T is N's daughter
- d) Q is wife of N
- e) T is granddaughter of M

15) 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 mother of B. which of the following means M is the brother-in-law of P?

- a) M - P \* N
- b) M \* N + P
- c) M + N - P
- d) M - N + P
- e) None of these

16) If 'A x D' means 'A is the sister of D', 'A + D' means 'D is the daughter of A' and 'A ÷ D' means 'A is the mother of D', then how will 'N is the aunt of M' be denoted?

- a) N x L ÷ M
- b) L x N ÷ M
- c) M ÷ L + N
- d) M + L x N
- e) None of these

17) If (A) P + Q means P is the brother of Q, (B) P x Q means P is the father of Q, (C) P - Q means P is the sister of Q, which of the following represents S is the niece of T ?

- a) K - S x M r T
- b) T + M x S - K
- c) T x M + S - K
- d) T x S + M - K
- e) None of these

18) 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 @

19) If A + B means A is the brother of B; A - B means A is the father of B and A x B means A is the sister of B; which of the following means M is the uncle of P?





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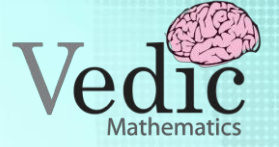
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a)  $M + S + R + P$

b)  $M + N \times P$

c)  $N \times P + M$

d)  $M + K + T \times P$

e) None of these

20) To find out the answer to the above question, which of the statements can be dispensed with ?

a) B only

b) C only

c) A only

d) B or C only

e) All are necessary

**Directions:**

Study the following information carefully and answer the questions given below :

' $P \times Q$ ' means P is the brother of Q

' $P - Q$ ' means P is the mother of Q

' $P + Q$ ' means P is the sister of Q

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

21) Which of the following expression represents B is the paternal uncle of H ?

a)  $B \times M + H$

b)  $B + H \div H$

c)  $B \times M \div H$

d)  $B + M - H$

22) How is R related to M in the expression  $M + J \div T \times R$  ?

a) Nephew of Niece

b) Niece

c) Nephew

d) Data inadequate

23) How is W related to M in the expression  $W + T \div R \times M$  ?

a) Grand mother

b) Paternal Aunt

c) Maternal Aunt

d) Data inadequate

24) Which of the following expression represents T is nephew of J ?

a)  $J \times M \div F \times T$

b)  $J \times M - F + T$

c)  $J \times M - F + T$

d) None of these

25) How is K related to D in the expression  $D - J + M \div K$  ?

a) Niece

b) Nephew

c) Grandson

d) Data inadequate

**Directions:**

Read the following information carefully and answer the questions given below it:

A + B means A is the father of B

A - B means A is the wife of B

A x B means A is the brother of B

A + B means A is the daughter of B.

26) If  $P \div R + Q$ , which of the following is true ?

a) P is the brother of Q

b) P is the mother of Q

c) P is the father of Q

d) P is the sister of Q

27) If  $P - R + Q$ , which of the following statements is true ?

a) Q is the daughter of P

b) P is the aunt of Q

c) P is the mother of Q

d) P is the sister of Q

28) If  $P + R + Q$ , which of the following is true ?

a) P is the son of Q

b) P is the husband of Q

c) P is the brother Q

d) P is the father of Q

29) If  $P \times R + Q$ , which of the following is true ?

a) P is the father of Q

b) P is the brother-in-law of Q

c) P is the uncle of Q

d) P is the grandfather of Q

30) If  $P \times R - Q$ , which of the following is true ?

a) P is the brother of Q

b) P is the uncle of Q







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- c) P is the brother-in-law of Q  
d) P is the father of Q

31) If  $P + R + S + Q$ , which of the following is true ?

- a) Q is the aunt of P  
b) P is the aunt of Q  
c) P is the daughter of Q  
d) P is the mother of Q

32) If  $P \times R + Q$ , which of the following statements is true ?

- a) P is the father of Q  
b) P is the brother of Q  
c) P is the uncle of Q  
d) P is the son of Q

33) If  $P - R \times Q$ , which of the following is true ?

- a) Q is the husband of P  
b) P is the sister-in-law of Q  
c) P is the sister of Q  
d) Q is the son of P

**Directions:**

Study the following information carefully to answer these question:

$P \times Q$  means "P is wife of Q"

$P \div Q$  means "P is father of Q"

$P + Q$  means "P is son of Q"

$P - Q$  means "P is sister of Q"

34) Which of the following represents "S is mother of T"?

- a)  $S \times M \div H - T$   
b)  $S \times M + H - T$   
c)  $M \times S \div H - T$   
d) can't be determine  
e) None of these

35) In  $H + I \div L$ , how is L related to H?

- a) brother or sister  
b) Cousin

- c) Sister  
d) Brother  
e) None of these

**Directions:**

Read the following information carefully and answer the questions which follow:

' $A \times B$ ' means A is the father of B.

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

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

' $A - B$ ' means A is the brother of B.

36) If ' $P \times T \div Q + R$ ' how is R related to P?

- a) Son-in-law  
b) Husband  
c) Daughter  
d) None

37) If ' $P + Q - R \div T$ ' how is T related to P?

- a) Father  
b) Aunt/Uncle  
c) Aunt  
d) None of these

38) If ' $R - P \div J \times Q$ ' how is J related to R?

- a) Niece  
b) Nephew  
c) Son/Daughter  
d) Grandson

39) If ' $P \div Q + R \times T$ ', how is Q related to T?

- a) Brother  
b) Sister  
c) Aunt  
d) Grandson

40) Which of the following means that R is wife of P?

- a)  $P \div R - Q + T$   
b)  $P \div T + R - Q$   
c)  $P \times R - Q - T$   
d)  $P \times T - Q + R$

41) If ' $P \div R - Q \times T$ ', how is P related to T?

- a) Sister  
b) Mother-in-law  
c) Grandmother  
d) Grand father

**Directions:**

Study the following information carefully to answer this question:

$A \times B$  means "A is father of B"





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$A \div B$  means "A is daughter of B"

$A + B$  means "A is sister of B"

$A - B$  means "A is Husband of B"

42) Which of the following indicates "N is mother of K"?

- a)  $N \times F + K$
- b)  $H \times k \div N$
- c)  $K + L \div N - M$
- d)  $K + L \div N \times F$
- e) None of these

43) In  $G \times T + Q \div M$ , how is M related to G?

- a) Cannot be determine
- b) Sister-in-law
- c) Sister
- d) Brother
- e) None of these

44) In  $F - R + H \div T$ , how is F related to T?

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

45) In  $F \div R \times H - L$ , how is H related to F?

- a) cannot be determined
- b) Sister
- c) Brother
- d) Father
- e) None of these

46)  $P \times Q$  means P is the sister of Q;  $P + Q$  means P is the father of Q;  $P - Q$  means P is the mother of Q. Which of the following means S is the aunt of T?

- a)  $S + T \times M$
- b)  $S \times M + T$
- c)  $T \times M + S$
- d)  $S \times M + R - T$
- e) None of these

47) If  $A + B$  means A is the son of B;  $A - B$  means A is the husband of B;  $A \times B$  means A is the sister of B, then which of the following shows the relation Q is the maternal uncle of P?

- a)  $P - B + R \times Q$
- b)  $P + B \times R - Q$
- c)  $P + B - R \times Q$
- d)  $P \times B - R + Q$

e) None of these

48) 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 Grandfather
- b) Maternal Grandmother
- c) Maternal Grandfather
- d) Paternal Grandmother
- e) None of these

49) If  $X+Y$  means X is the wife of Y;  $X-Y$  means X is the son of Y and  $X \times Y$  means X is the sister of Y, which of the following would mean that A is the daughter of B?

- a)  $A + C - D \times B$
- b)  $A + C + D \times B$
- c)  $A \times C - D + B$
- d)  $A - C \times D + B$
- e) None of these

50)  $P + Q$  means P is the brother of Q;  $P - Q$  means P is the mother of Q and  $P \times Q$  means P is the sister of Q. Which of the following means M is the internal uncle of R?

- a)  $M - R + K$
- b)  $M + K - R$
- c)  $M + K + R$
- d)  $M + K \times R$
- e) None of these

