

# Blood Relations

## 1<sup>st</sup> Generation

GrandMother and Grandfather

↓  
Maternal  
(Mother)

↓  
Paternal  
(Father)

## 2<sup>nd</sup> Generation:

Father-in-Law, Mother-in-law, Father, Mother, Aunt and Uncle

## 3<sup>rd</sup> Generation:

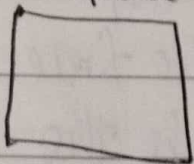
Husband and Wife, Brother and Sister, Sister-in-law and Brother-in-law, Cousin

## 4<sup>th</sup> Generation:

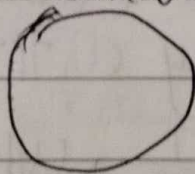
Son, Daughter, Niece, Nephew, Son-in-law, Daughter-in-law.

Family tree notation

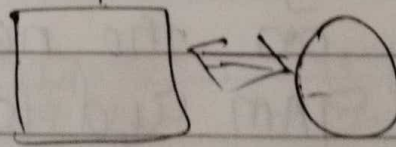
Male



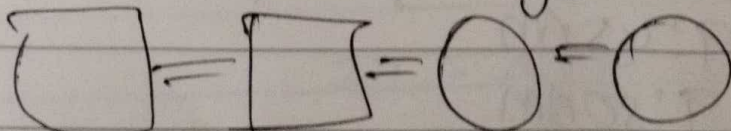
Female



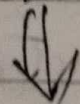
Spouses



Siblings



Next Generation



a)

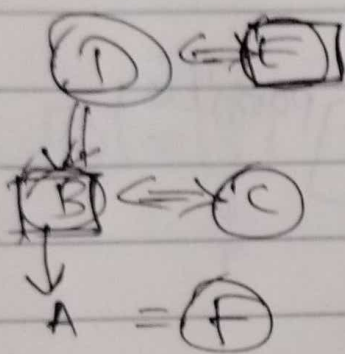
1. In a family of six persons A, B, C, D, E and F there are two married couples.

2. D is Grandmother of A and mother of B

3. C is wife of B and mother of F

4. F is the granddaughter of E

1) Daughter 2) Grandmother 3) Mother 4) Can't be determined



Q) What is C to A

Q) How many male members are there in the family?  
A) Two B) Three C) Four D) Can't be determined

Q) Who among the following is one of the couple?

A) CD B) DE C) EB D) Can't be determined

Q) Which of the following is true?

A) A is the brother of F

B) A is the sister of F

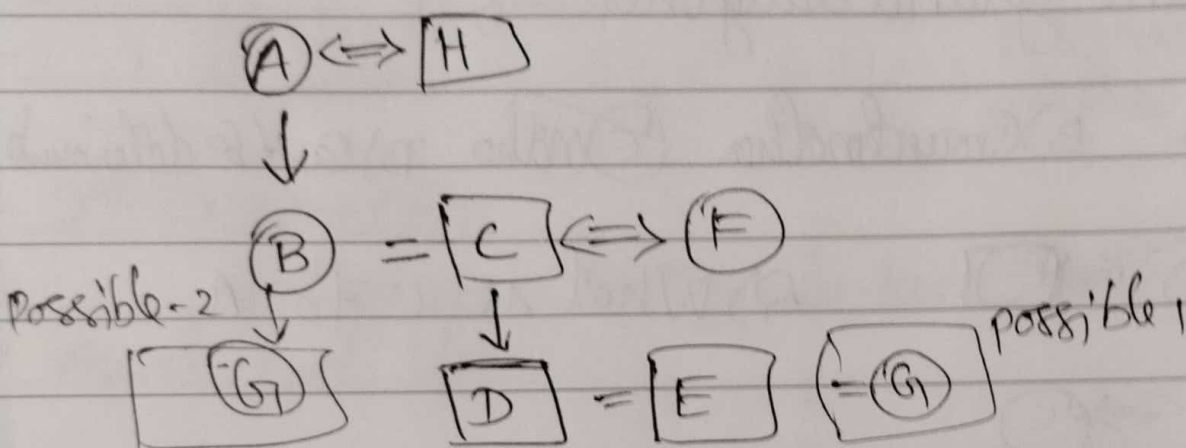
C) D has two grandsons

D) B has two kids



b)

A is the mother of B. B is the sister of C.  
D is the son of C. E is the brother of D.  
F is the mother of E. G is the granddaughter  
of A. H has only two children B and C.



Q) How F related to H?

- A) son-in-law      B) Daughter-in-law  
 C) Father-in-law      D) Granddaughter

Q) How is H related to G?

- A) Grandfather      B) Grandmother  
 C) Father-in-law      D) Data inadequate

Q) Who is the mother of G?

- A) C      B) B      C) Either B or F      D) Either C or F

Q)

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

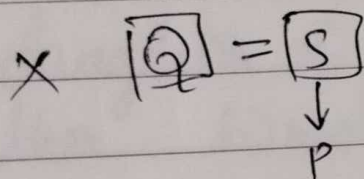
XA)  $P-M+N \times Q$

B)  $Q-S \div P$

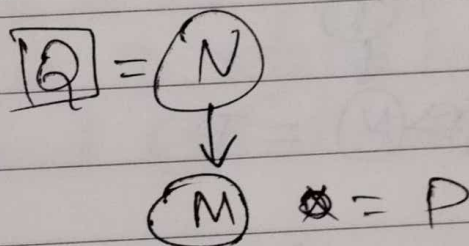
~~C)  $P+S \times N-Q$~~

~~D)  $Q-N+M \times P$~~

~~B)  $\Rightarrow$~~



$D \Rightarrow$



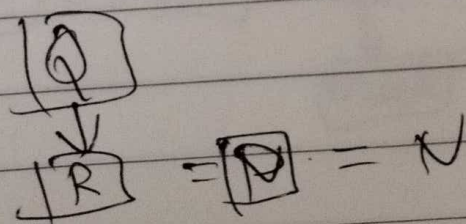
1) if  $A+B$  means A is the mother of B;  $A \times B$  means  
 A is the father of B;  $A \div B$  means A is the brother  
 of B and  $A @ B$  means A is the sister of B  
 then which of the following means P is the son of Q?

A)  $Q+R @ P @ N$

B)  $Q+R * P @ N$

C)  $Q \times R \$ P @ N$

~~D)  $Q \times R \$ P \$ N$~~





c)

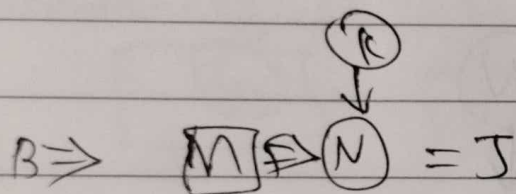
A3P means A is the mother of P; A4P means A is the brother of P; A9P means A is the husband of P; A5P means A is the daughter of P which of the following means that K is the mother-in-law of M? ↓  
female

A) M9N3K4J

B) M9N5K3J

C) K5J9M3N

D) K3J9N4M



### Basic Exercise

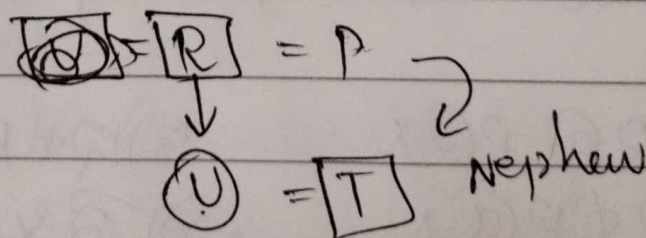
1. P, Q, R, S, T, and U are family members. U is the daughter of R, R is the brother of P, and T is the brother of U. What is the relation of T to P?

a) son

b) Brother

c) Nephew

d) Uncle



- 2) A is the sister of B. C is the sister of D, and D is the son of B. What is the relation of C to A?  
 a) Aunt    ~~b) Niece~~    c) Sister    d) Cousin

$$[B] = (A)$$

↓

$$[D] = (C)$$

3. A is the brother of B. B is the sister of C. C is the daughter of D. How is D related to A?  
 a) Father    b) Mother    c) Aunt    ~~d) Father or Mother~~

D  
↓

$$[A] = (B) = (C)$$

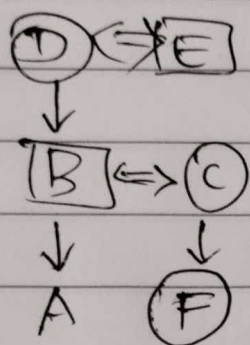
- 4) Emma's husband's sister is Mark's mother. What is Emma to Mark?  
 a) Mother    ~~b) Aunt~~    c) Cousin    d) Sister

$$(E) \Leftrightarrow [Hus] = (Sis) \downarrow [Mark]$$



5) In a family of six persons A, B, C, D, E and F, there are two married couples. D is the grandmother of A and mother of B. C is the wife of B and mother of F. E is the granddaughter of E. How is C related to A?

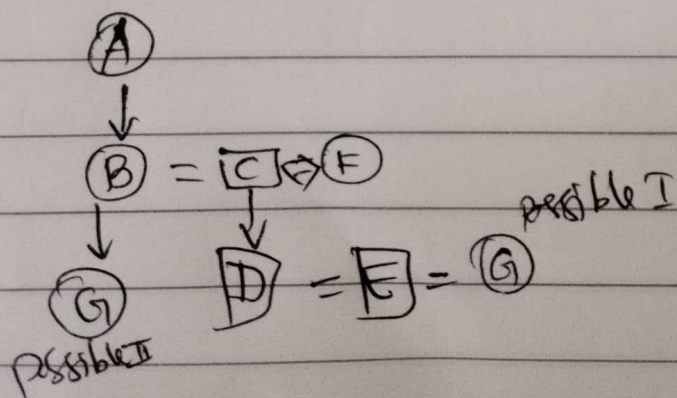
- a) Mother      b) Daughter      c) Grandmother      d) Can't be determined



6) How many male members are there in the family?  
A) 2      B) 3      c) 4      d) Can't be determined

7) A is the mother of B. B is the sister of C. D is the son of C. E is the brother of D. F is the mother of E. G is the granddaughter of A. How is G related to E?

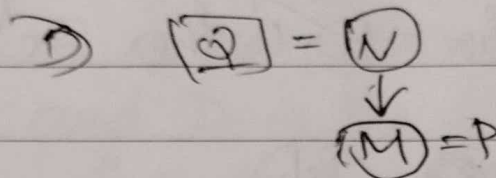
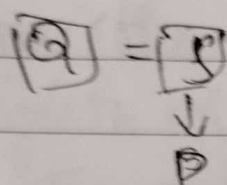
- a) Sister      b) Sibling      c) Cousin      d) Can't be determined



8) if  $A+B$  means  $A$  is the mother of  $B$ ;  $A-B$  means  $A$  is the brother of  $B$ ;  $A \div B$  means  $A$  is the father of  $B$  and  $A \times B$  means  $A$  is the sister of  $B$ , which of the following shows that  $Q$  is the maternal uncle of  $P$ ?

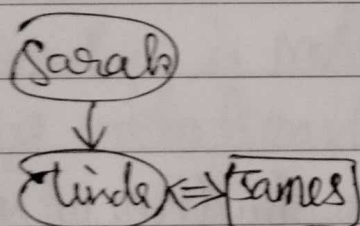
- a)  $P-M+N \times Q$       b)  $Q-S \div P$   
 x)  $P+S \times N-Q$       ~~c)  $Q-N+M \times P$~~

b)  $\Rightarrow$   
 x



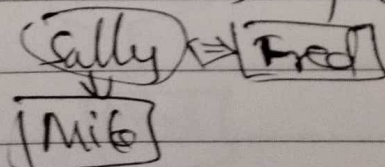
9) Sarah is Linda's mother. Linda is James's wife. What is Sarah to James?

- ~~a) Mother-in-law~~    b) Aunt    c) Cousin    d) Sister



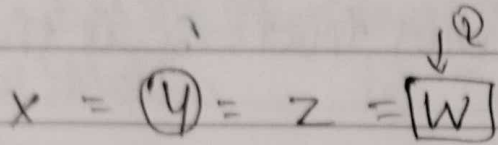
10) Mike is Sally's son. Sally is Fred's wife. What is Mike to Fred?

- ~~a) Son~~    b) Nephew    c) Cousin    d) Brother

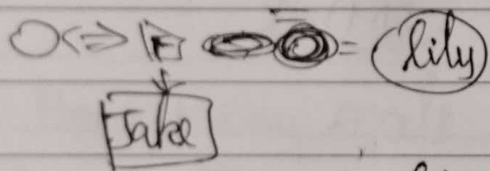




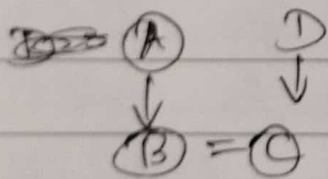
11. X, Y, and Z are siblings. Y is the sister of W.  
W is the son of Q. What is the relation of Z to Q?  
a) Uncle b) Niece c) Nephew ~~d) None of the above~~



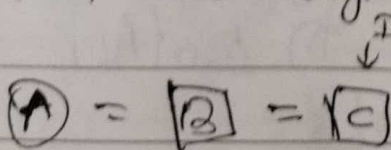
12. If Jake is Lily's (female) nephew, what is Jake's father's relationship to Lily?  
a) Grandfather ~~b) Brother~~ c) Son d) Uncle



13. A is the mother of B. B is the sister of C.  
C is the niece of D. What is the relation of D to A?  
a) father b) Brother ~~c) Cousin~~ d) None of the above

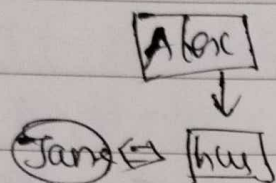


14. A is the sister of B. B is the brother of C.  
C is the son of D. What is the relation of A to D?  
a) Niece ~~b) Daughter~~ c) Sister d) None of the above



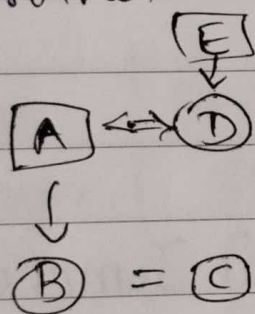
15. If Alex is Jane's husband's father, what is Alex's relationship to Jane?

- a) Father ~~b) Father-in-law~~ c) Uncle ~~d) None of the above~~



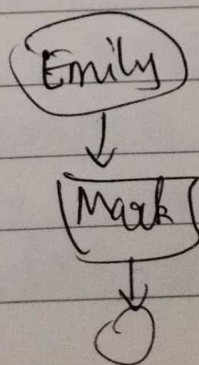
16. A is the father of B. B is the sister of C. C is the daughter of D, and D is the daughter of E. What is the relation of E to A if E is male?

- a) Brother b) Nephew c) Son ~~d) Father-in-law~~



17. If Emily is mother of his son Mark, what is Emily's relationship to Mark's daughter?

- a) Aunt b) Cousin ~~c) Grandmother~~ d) Sister





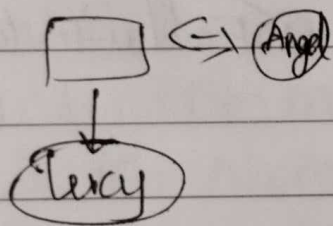
18) Rachel is Alex's sister. Alex is Kate's brother.  
What is Rachel to Kate?

- a) Cousin   b) Aunt   ~~c) Sister~~   d) Niece.

Rachel = Alex = Kate

19) Lucy's father is Angela's husband. How is Lucy related to Angela?

- ~~a) Daughter~~   b) Niece   c) Wife   d) Sister



20. Sarah is Linda's mother. Linda is James's wife.  
What is Sarah to James?

- ~~a) Mother-in-law~~   b) Aunt   ~~c) Cousin~~   d) Sister

