

DAY 11

MCA CET 2025
REASONING
BLOOD
RELATIONS



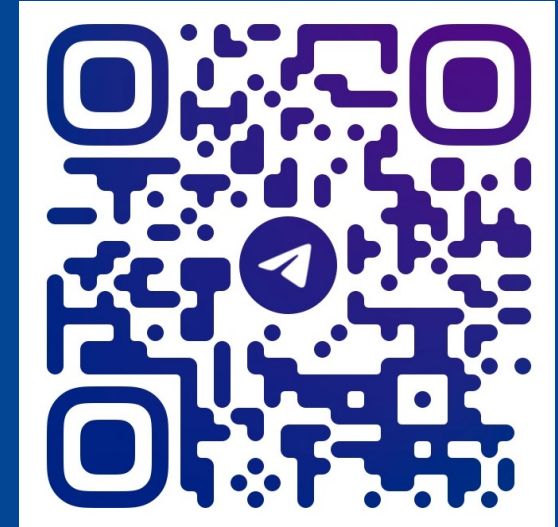
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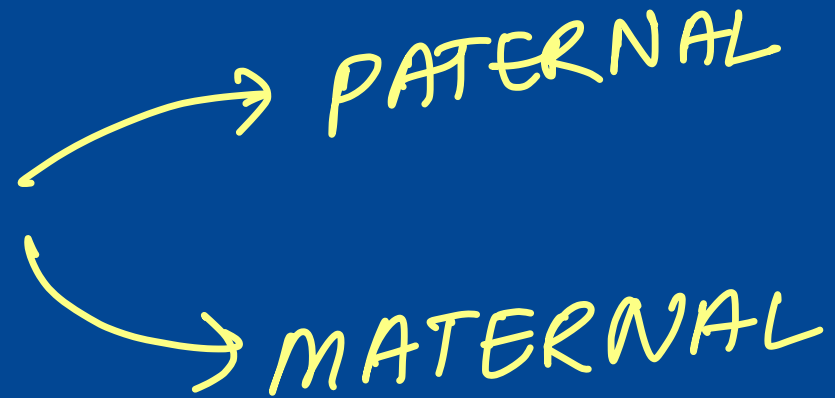
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Blood Relations



Understanding connections between relationships



Understanding Relationships

PATERNAL SIDE RELATIONS

Father's Father	Grandfather
Father's Mother	Grandmother
Father's Brother	Uncle
Father's sister	Aunt
Father's daughter	Sister
Father's son	Brother
Father's only son (boy)	Himself
Father's only daughter (girl)	Herself
Uncle's wife	Aunt
Aunt's Husband	Uncle

Uncle's children	Cousin
Brother's wife	Sister-in-law
Sister's husband	Brother-in-law
Brother's / Sister's Daughter	Niece
Brother's / Sister's Son	Nephew
Daughter's Husband	Son-in-law
Son's wife	Daughter-in-law
Grandson or Granddaughter's daughter	Great Granddaughter
Grandson or Granddaughter's son	Great Grandson



Understanding Relationships

MATERNAL SIDE RELATIONS

Mother's Father	Maternal Grandfather
Mother's Mother	Maternal Grandmother
Mother's Brother	Maternal Uncle
Mother's sister	Maternal Aunt
Wife of Maternal Uncle	Maternal Aunt
Children of Maternal Uncle	Cousin



Denotations

Male

Female

Undefined
Gender

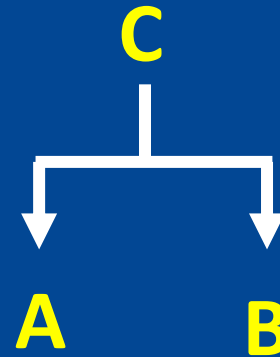


Denotations

Only Child



A and B are children of C



Siblings



Married





Types of questions

- Family or Relation Based
- Referencing Based
- Symbolic Code



Family or Relation Based

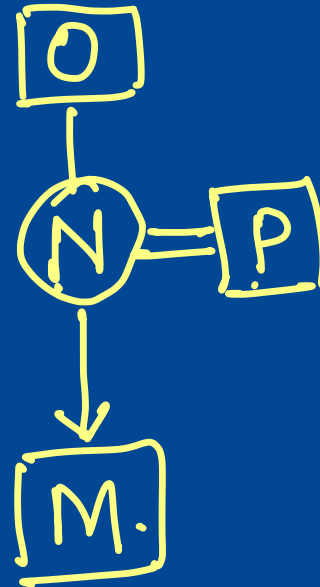
M is the son of N. O is the father of N. P is the father of N. How is N related to P?

(a) Wife

(c) Father

(b) Husband

(d) Mother

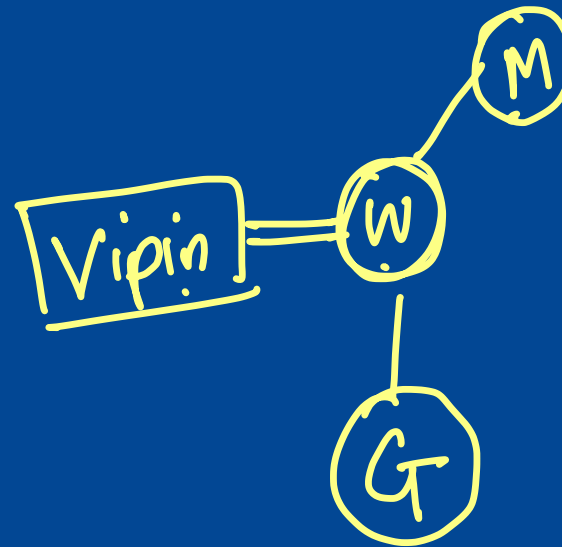




Referencing Based

Introducing a girl, Vipin said, "Her mother is the only daughter of my mother-in-law." How is Vipin related to the girl ?

- a) Uncle
- b) Father
- c) Brother
- d) Husband





Symbolic Code

+ mother
÷ father
- sister

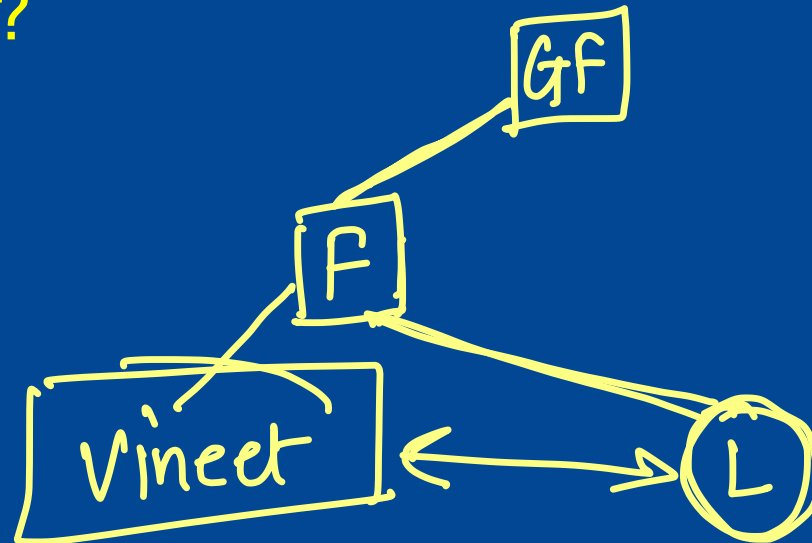
If $P + Q$ means P is the mother of Q, $P \div Q$ means P is the father of Q, $P - Q$ means P is the sister of Q. Then which of the following relationship shows that M is the daughter of R?

- (a) $R \div M + N$
- (b) $R + N \div M$
- (c) $R - M \div N$
- (d) Data inadequate



Showing the lady in the park, Vineet said, "She is the daughter of my grand father's only son" How is Vineet related to that lady ?

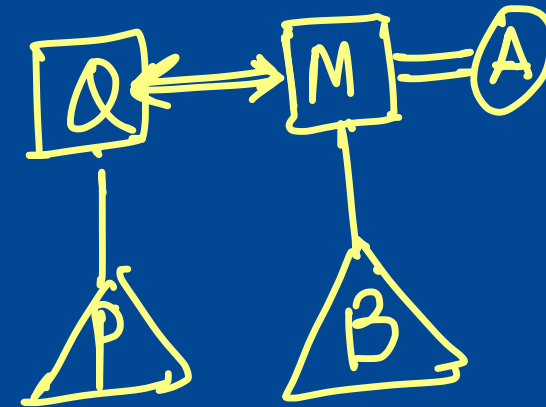
- A. Brother
- B. Cousin
- C. Father
- D. Uncle





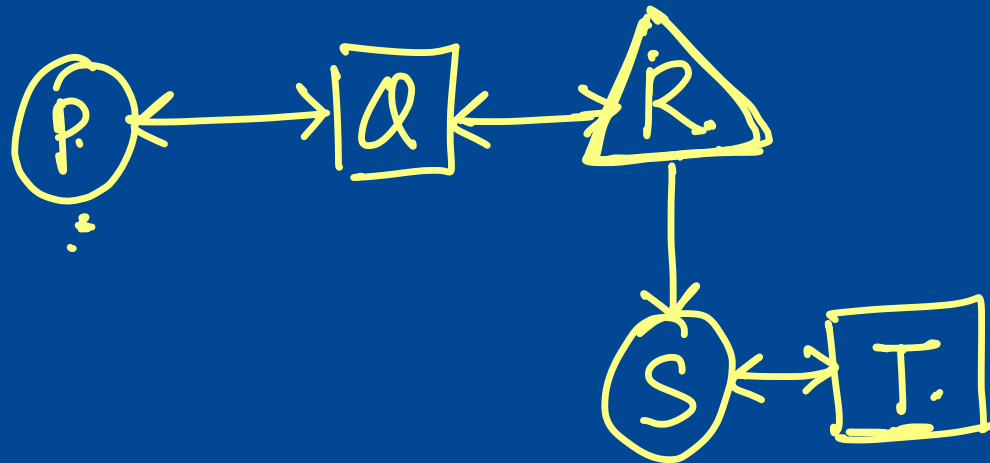
P's father Q, is B's paternal uncle and A's husband M, is P's only paternal uncle. How is A related to B?

- (a) Cousin
- (b) Aunt
- (c) Mother
- (d) Data inadequate



Q is the brother of R. P is the sister of Q. T is the brother of S. S is the daughter of R. How is P related to T?

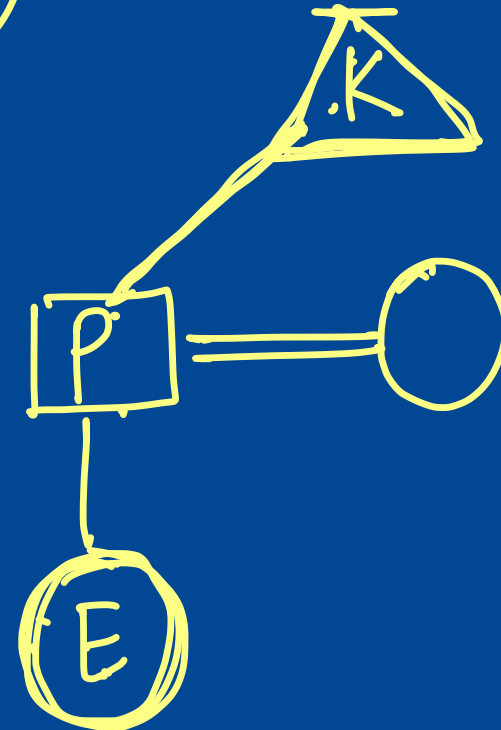
- (a) Uncle
- (b) Aunt**
- (c) Brother
- (d) Mother





E is the daughter of P who is the husband of the only daughter-in-law of K. How is E related to K?

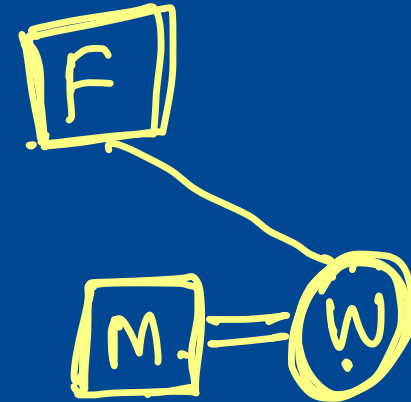
- (a) Daughter
- (b) Granddaughter
- (c) Grandmother
- (d) Mother





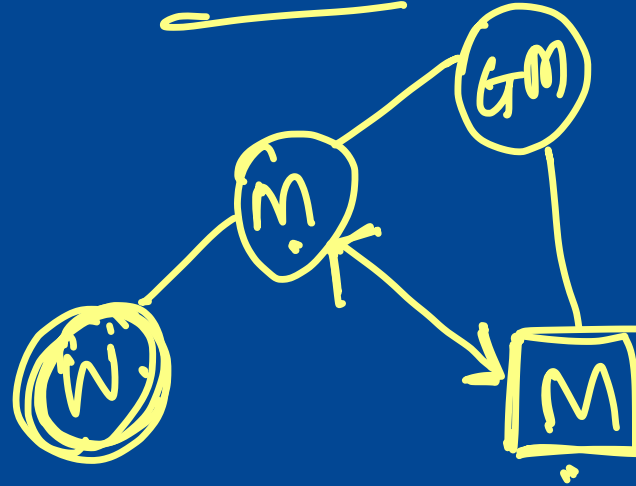
Introducing a man, a woman said, "His wife is the only daughter of my father." How is that man related to the woman?

- (a) Husband
- (b) Brother
- (c) Father-in-law
- (d) Maternal-uncle



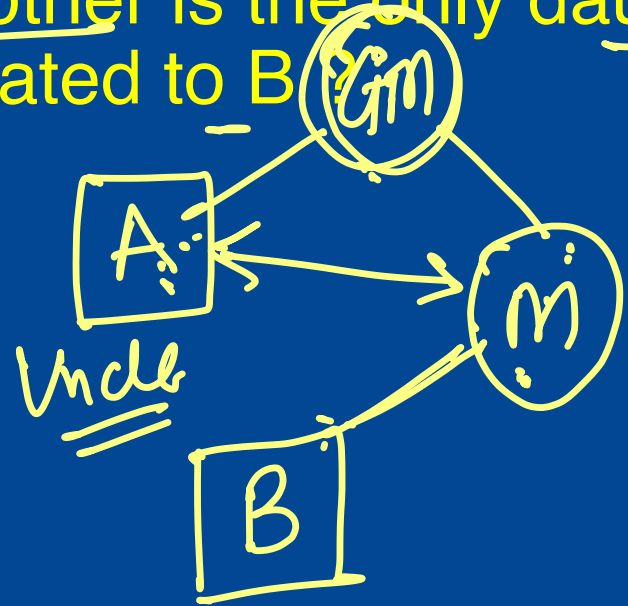
Introducing a man, a woman said, "He is the only son of my mother's mother." How is the woman related to the man?

- (a) Mother
- (b) Cousin
- (c) Niece
- (d) Aunt



If B says that his mother is the only daughter of A's mother, how is A related to B?

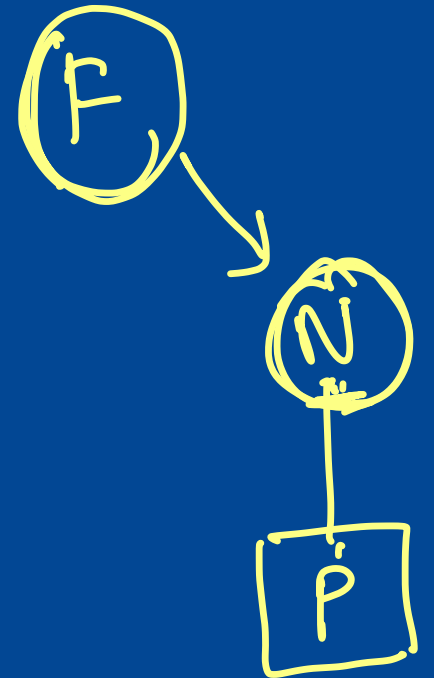
- (a) Son
- (c) Brother
- (b) Father
- ~~(d) None of these~~



Pointing to a person, Rohit said to Neha, "His mother is the only daughter of your father." How is Neha related to the person?

- (a) Aunt
- (b) Mother**
- (c) Daughter
- (d) Wife

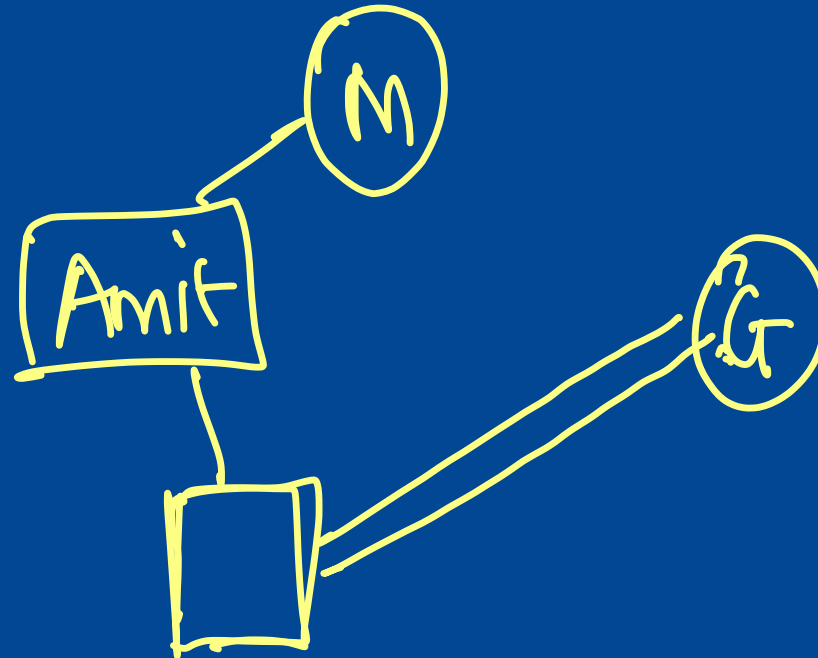
Rohit





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

- (a) Father
- (b) Father-in-law
- (c) Grandfather
- (d) Husband

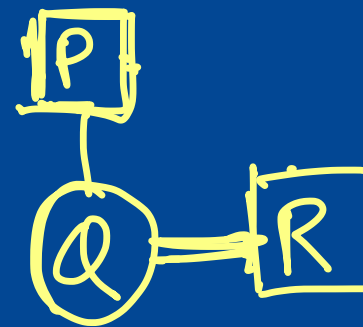




'A + B' means 'A is the father of B', 'A - B' means 'A is the wife of B'; 'A x B' means 'A is the brother of B', 'A ÷ B means 'A is the mother of B' and 'A = B' means 'A is the sister of B'.

On the basis of this information, what does P + Q - R means?

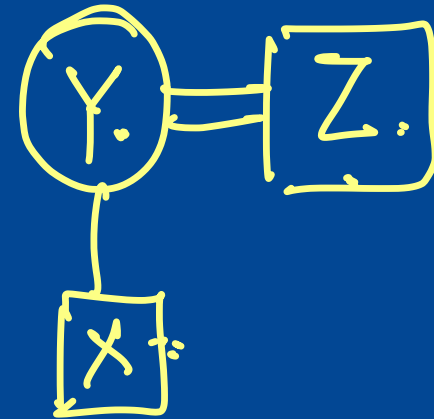
- ~~(a) P is the father-in-law of R~~
- (b) P is the son of R ✗
- (c) P is the uncle of R ✗
- (d) P is the brother of R ✗



'P + Q' means 'P is the son of Q', 'P - Q' means 'P is the wife of Q', 'P x Q' means 'P is the brother of Q', 'P ÷ Q' means 'P is the mother of Q' and 'P = Q' means 'P is the sister of Q'.

Then what does $X + Y - Z$ mean ?

- ~~(a)~~ Z is the father of X
- (b) Z is the son of X ↗
- (c) Z is the uncle of X ↗
- (d) Z is the brother of X ↗





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