GATE ALL BRANCHES



Analytical Reasoning



Lecture No.- 02

Recap of Previous Lecture











Topic

Blood Relation



Topics to be Covered









Topic-2

Direction sense







#Q. Direction:

X+Y means X is the father of Y,

X-Y means X is the wife of Y,

 $\mathcal{N}_{X \times Y}$ means X is the brother of Y,

 $\checkmark X \div Y$ means X is the daughter of Y.



In A x B ÷ C, which of the following statement is true?

A

A is father of C

В

A is brother of C



A is uncle of C



A is son of C



#Q. Rohit said to Mohit, "The boy playing basket ball is younger brother of the two brothers of the daughter of my father's wife". How is the boy playing

SISTER

basket ball related to Rohit?

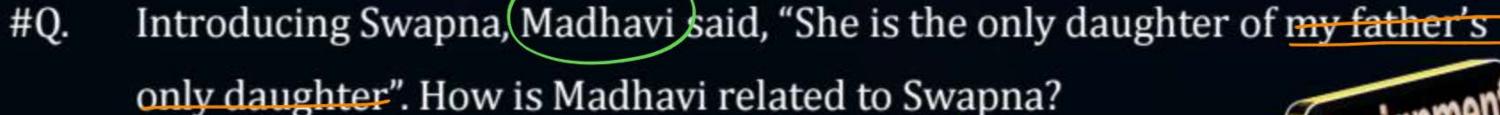


B Nephew

Cousin

Brother

me



me

Assignment

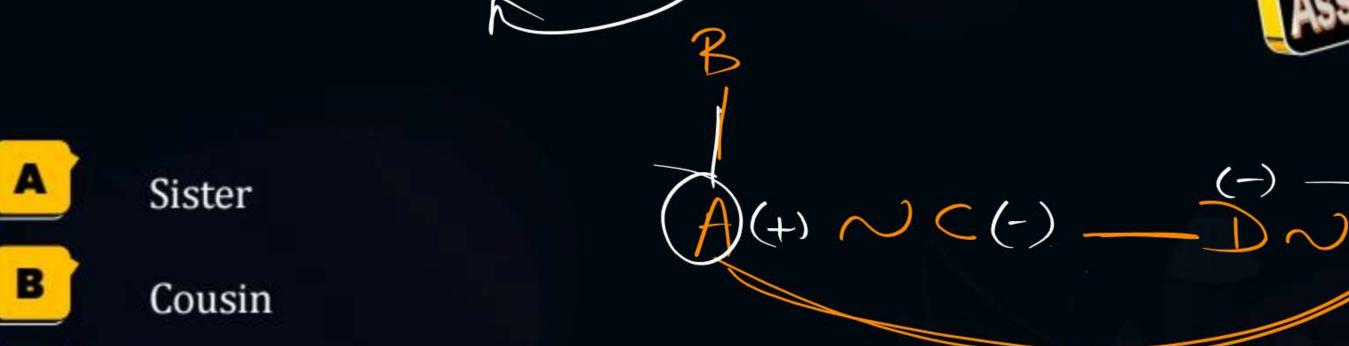
- A Niece
- B Aunt
- Cousin
- None of these

Mohen



#Q. A, the son of B was married to C, whose sister D was married to E, the

brother of A. How is D related to B?



C

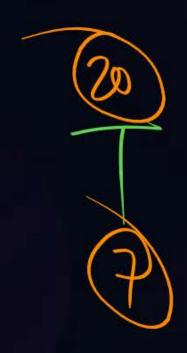
Sister-in-law

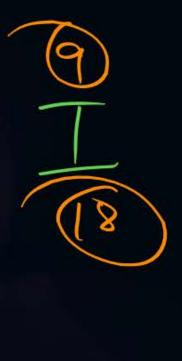
D

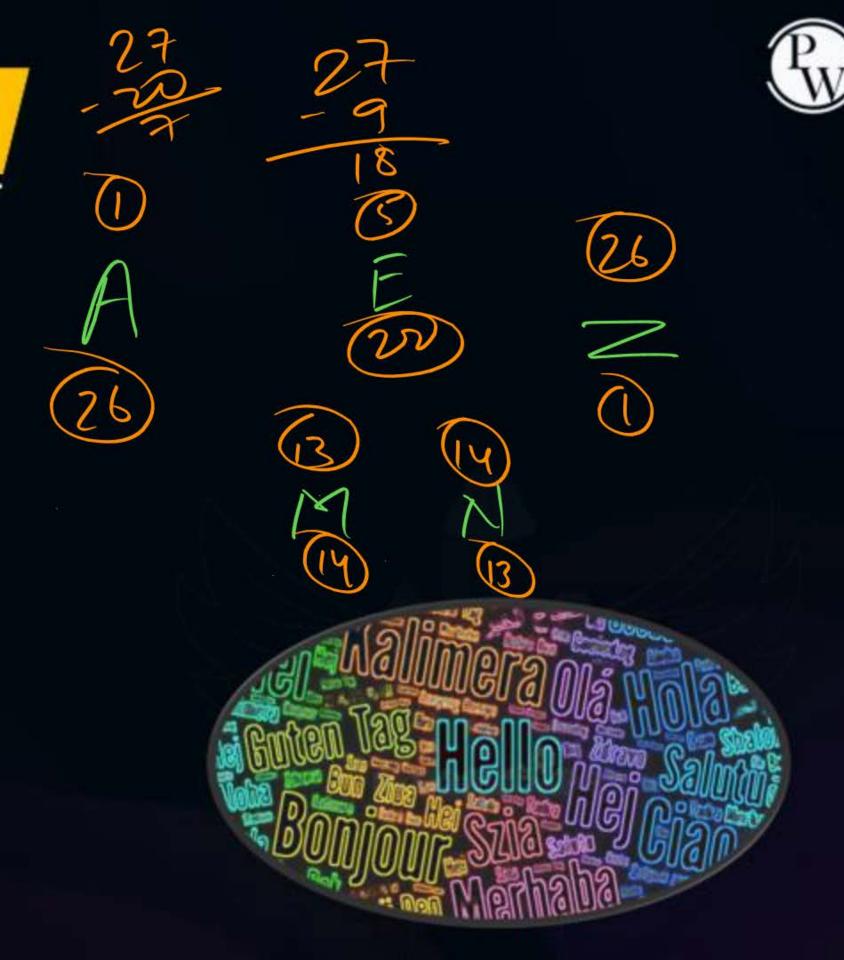
Daughter-in-law

Coding & Decoding

- ALPHABETICAL / LETTER
- NUMBER
- SUBSTITUTION
- MIXED









#Q. In a certain code SOCIAL is written as TQFMFR, then how you will code

t1 +2+3+4+5---DIMPLE? **EKPTQK EKPQPJ EKPSPJ**

EKPSOH

SociAL
TOFMFR

TITZ+3+15+6

DIMPLE > EXPTOR



If according to a certain code, PAINTER is written as 3528617, then #Q.

TANRPEI is coded as?



6587312

6583721

9385472

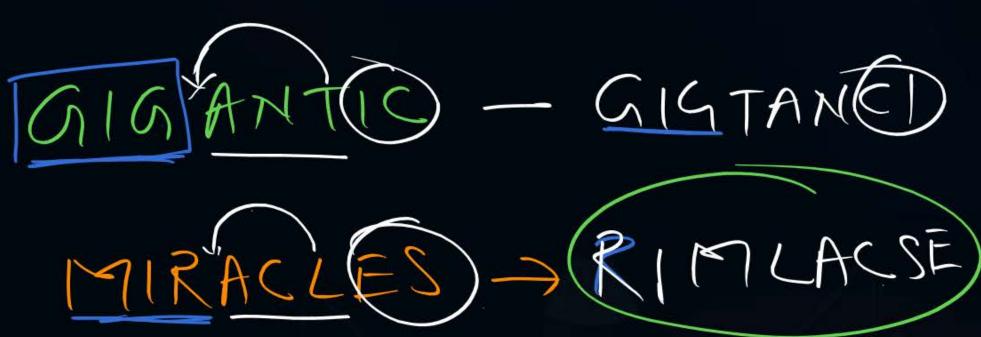
9385427

TAN RPE 1 >65-873/2



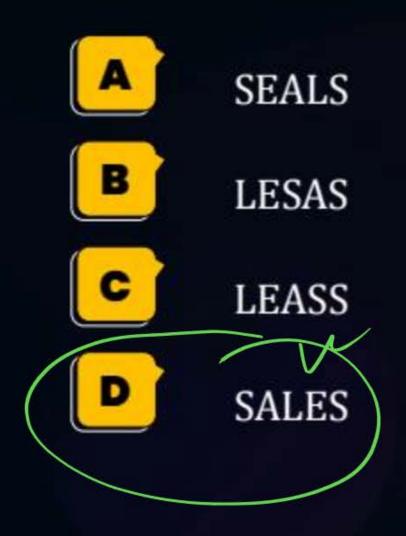
#Q. In a certain code GIGANTIC is written as GIGTANCI. How is MIRACLES written in that code?







#Q. In a certain code MAN is written as SANM and WORD is written as SORDW.
How would SALE be written in that code?

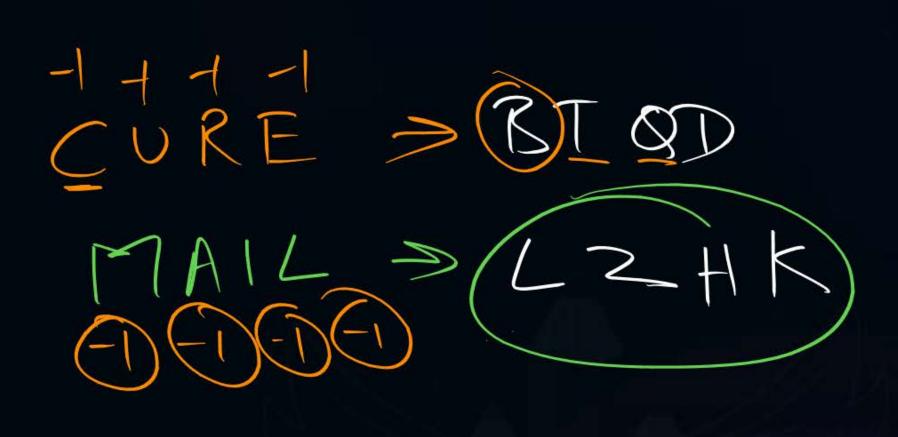






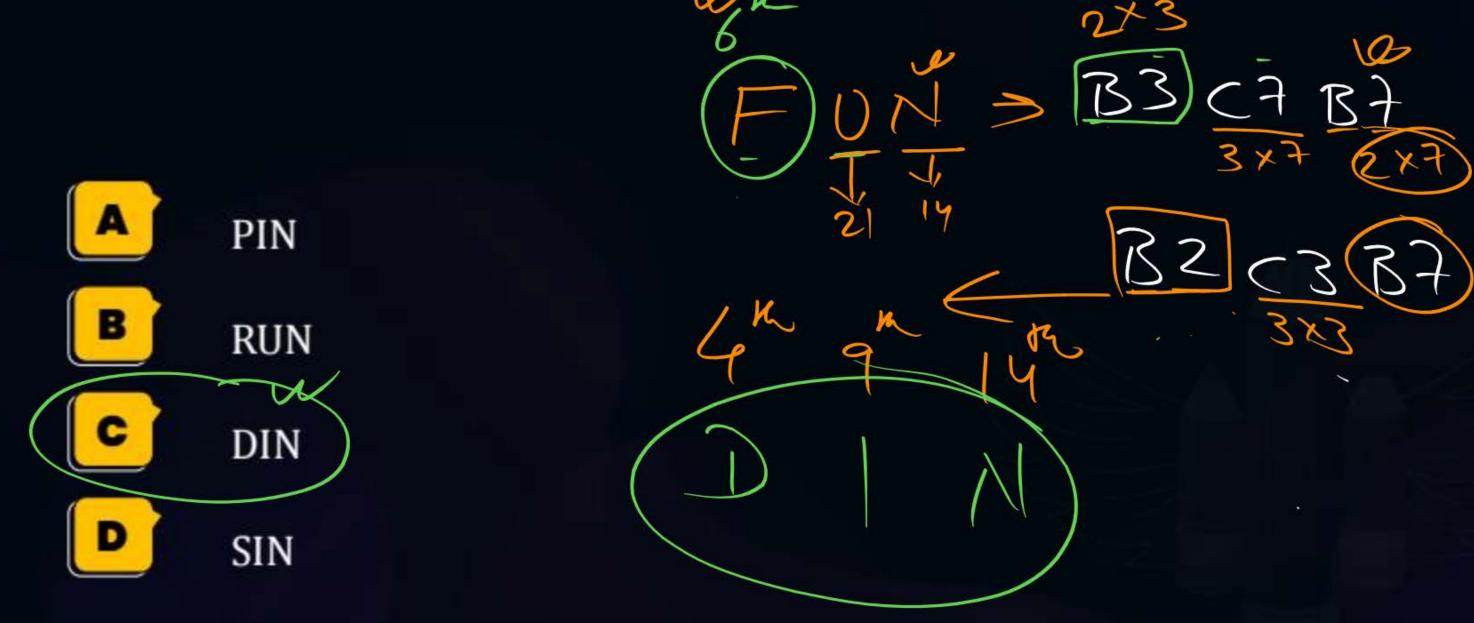
#Q. If CURE is written as BTQD. How will MAIL be written in that code?





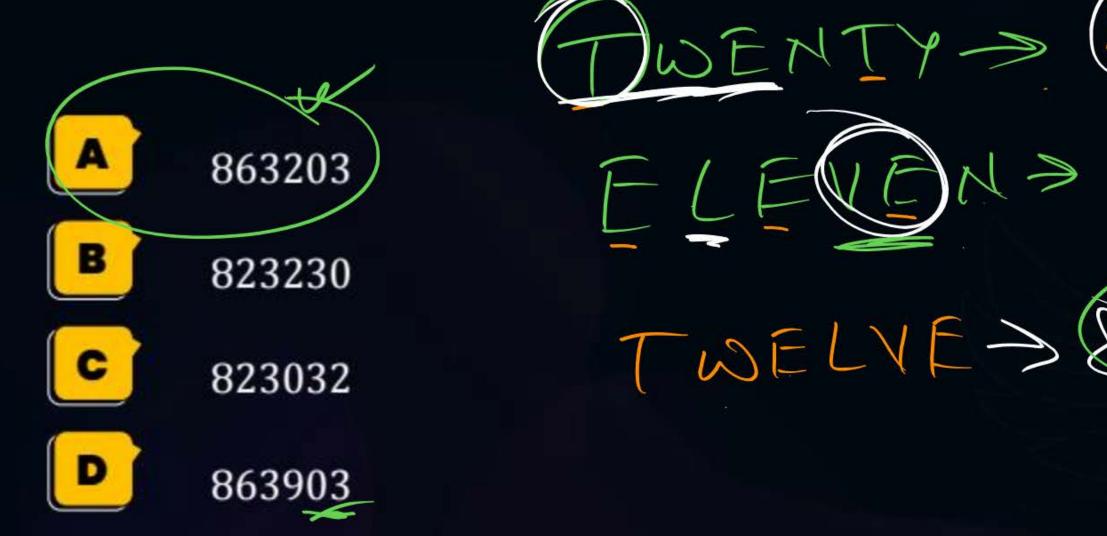


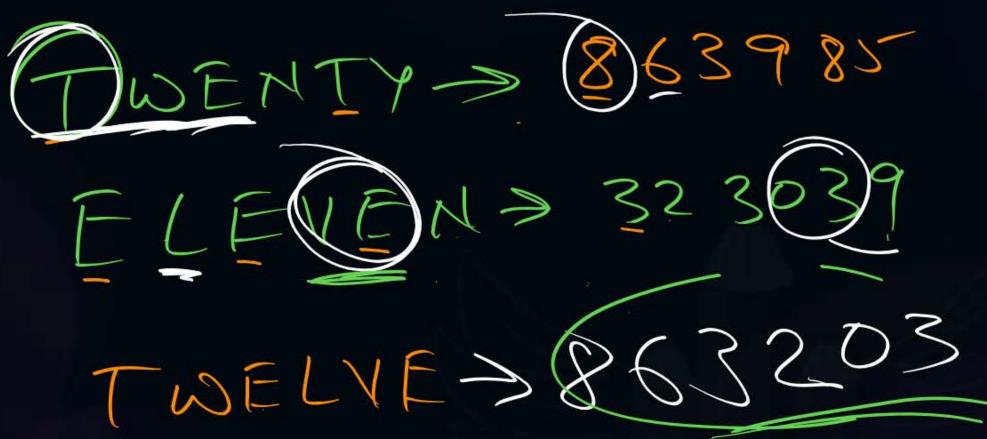
#Q. If FUN is written as B3C7B7 which word is written as B2C3B7?





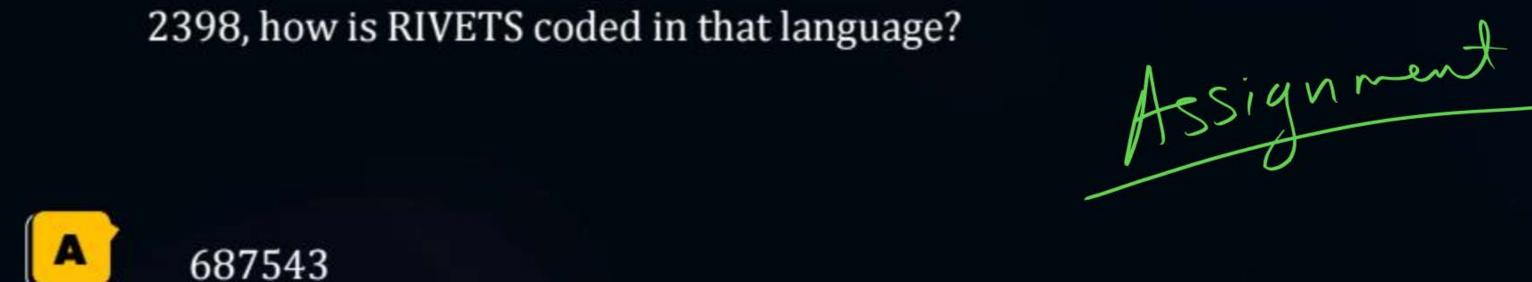
If in a certain code TWENTY is written as 863985 and ELEVEN is written as #Q. 323039, how is TWELVE written in that code?







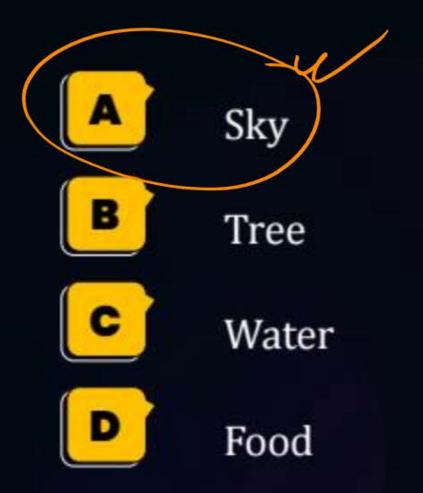
#Q. If in a certain language PRIVATE is coded as 1234567 and RISK is coded as 2398, how is RIVETS coded in that language?



- **B** 496321
- 246598
- 234769



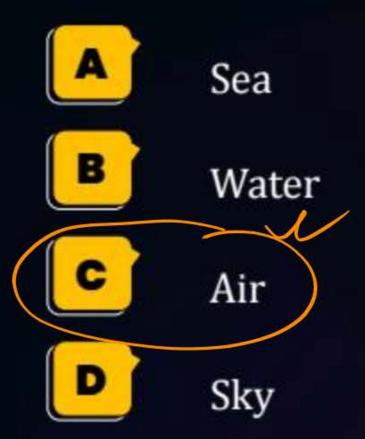
#Q. If water is called food, food is called is tree, tree is called sky, sky is called wall, on which of the following grows a fruit?







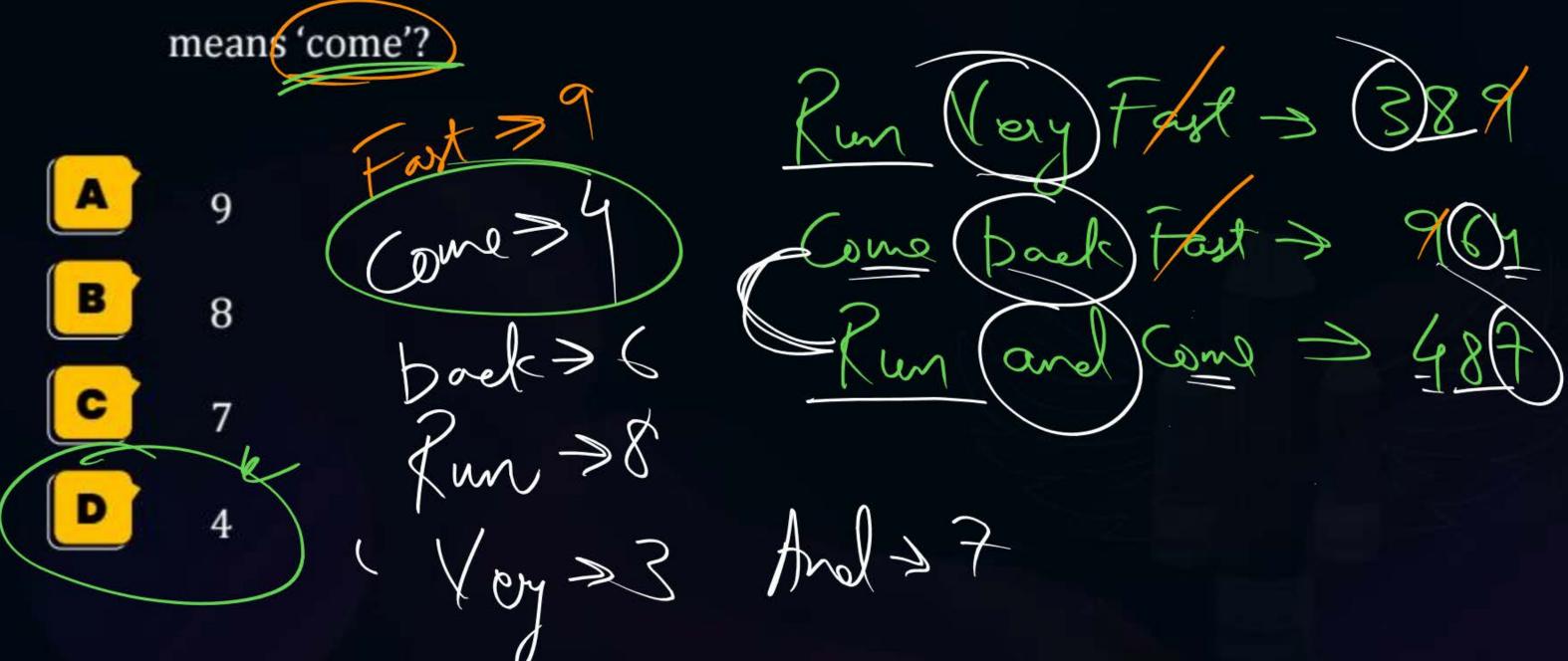
#Q. If sky is called sea, sea is called water, water is called air, air is called cloud and cloud is called river, then what do we drink when thirsty?





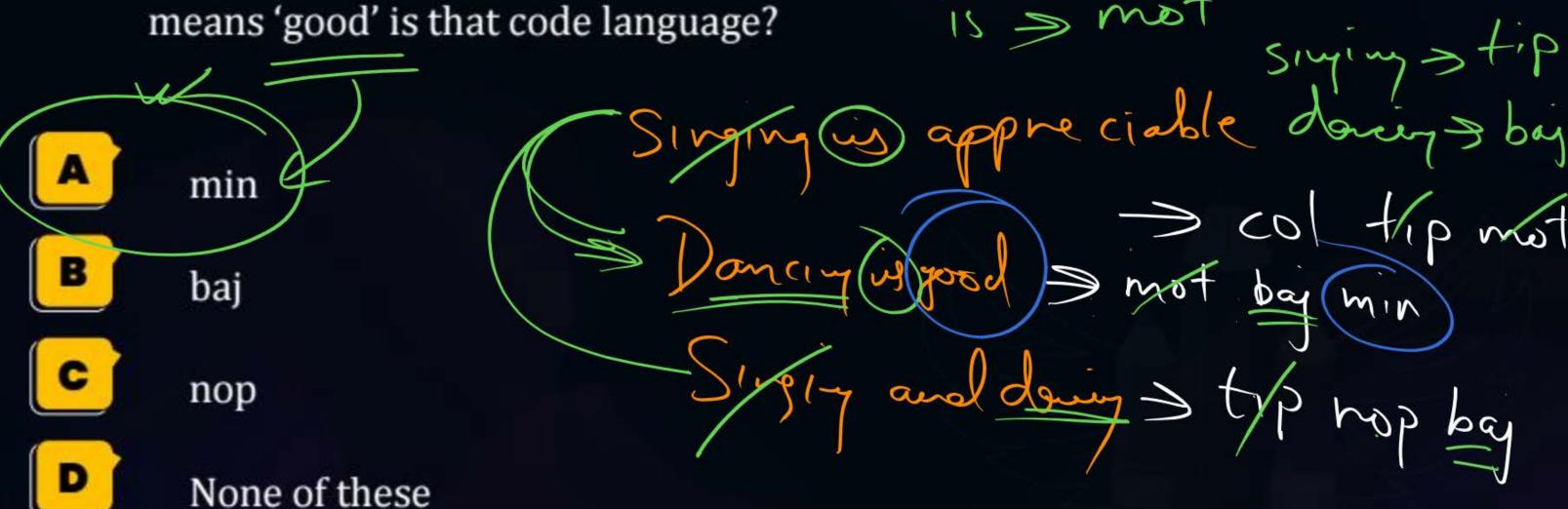


#Q. In a certain code language '389' means 'run very fast' '964' means 'come back fast' and '487' means 'run and come'. Which digit in the language





#Q. If 'col tip mot' means 'singing is appreciable'; 'mot baj min' means 'dancing is good' and 'tip nop baj' means singing and dancing'. Which of the following





If light means red, red means green, green means white, white means #Q. Assignment

yellow. What is the colour of blood?

light

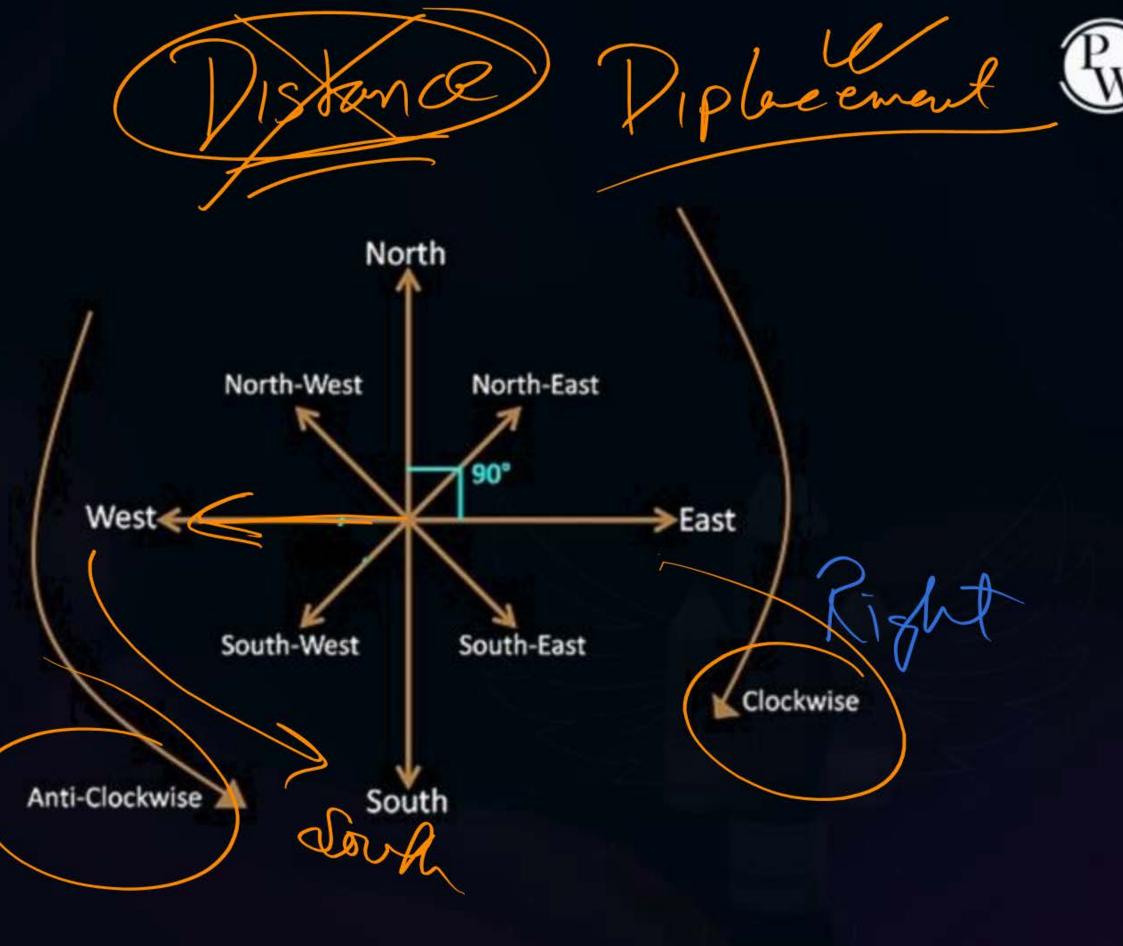
blue

red

yellow

Direction

Direction



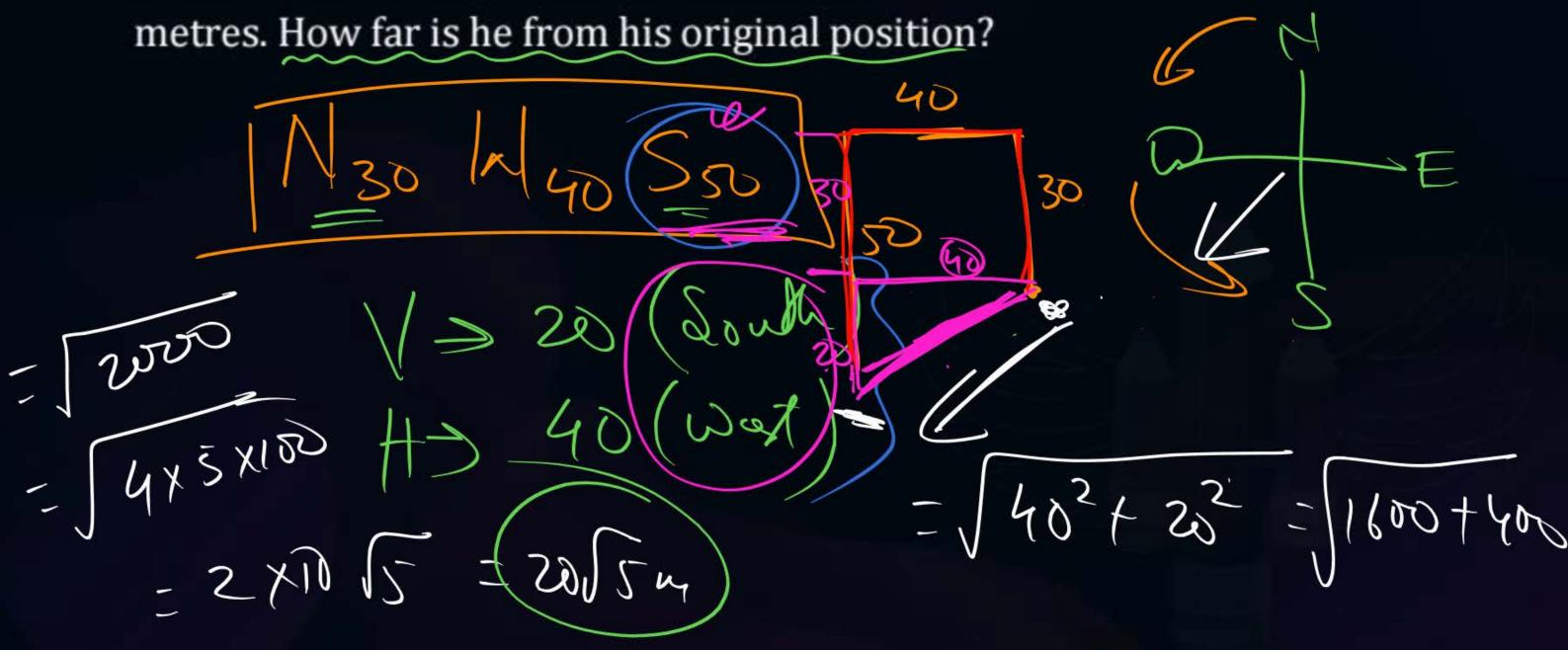
Facing towards south Suresh walked 50 mts. He then turned to his right and #Q. walked 30 mts. He again turned right and walked 50 mts. How for was he

from his original position and towards which direction?



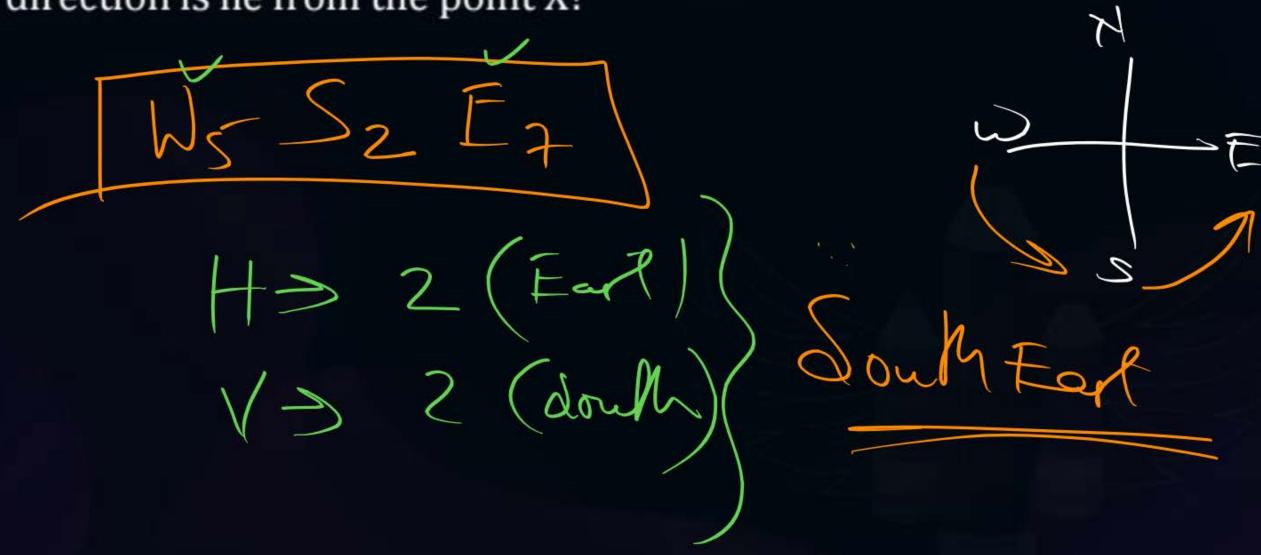


#Q. Mahesh started walking towards North. After walking 30 metres, he turned towards left and walked 40 metres. He then turned left and walked 50





#Q. Mohit started from point X and walked straight 5 km West, then turned left and walked straight 2 km and again turned left and walked straight 7 km. In which direction is he from the point X?





#Q. A is standing at P. He walks 10 meters towards the south; then he walks 20 meters towards the west; then he walks 10 meters towards the south; then he walks 20 meters towards the North and reaches Q. What is the straight distance between P and Q in meters?



#Q. Sumit walks 8 km east, turns South-West and walks another 8km. He again takes a turn towards North-West and walks another 8km. In which direction from starting point is he standing now?



#Q. A walks 10 metres towards East and then 10 metres to his right, then every time turning to his left, he walks 5.15 and 15 metres respectively. How far is he now from his starting point?

A 16.55

6.965

15.95

15.0



#Q. A man is facing North-West. He turns 90° in the clock wise direction, then 135° in the anticlockwise direction which direction is he facing now?

Assignment.

- North
- B South-east
- West
- D South-west



#Q. One day, Ravi left home and cycled 10 km Southwards, turned right and cycled 5 km and turned right and cycled 10 km and turned left and cycled 10 km. How many kilometers will he have to cycle to reach his home straight?

A 5 km

15 km

12 km

None of these



#Q. P, Q, R and S are playing a game of carom. P,R and S,Q are partners. S is to the right of R, who is facing West. Then, Q is facing?

A North

Bouth

East

Can't be determined



#Q. One evening before sunset, two friends Sumit and Mohit were talking to each other face to face. If Mohit's shadow was exactly to his right side, which directions was Sumit facing?

A East

B North

West

South



#Q. After walking 6 km, I turned right and covered a distance of 2 km, then turned left and covered a distance of 10 km. In the end, I was moving towards the North. From which direction did I start my journey?

A North

B North-west

East

None of these



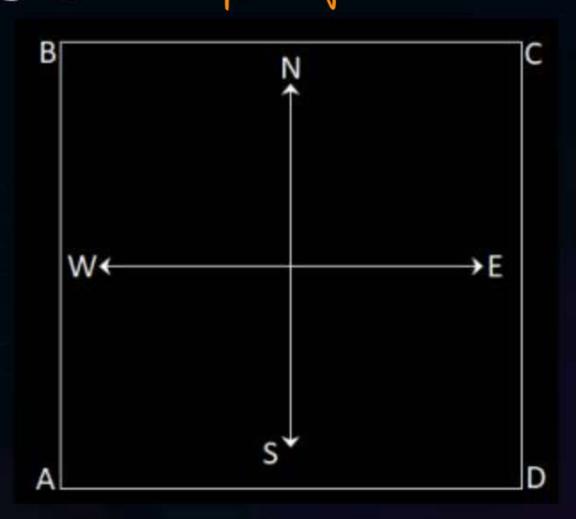
#Q. A, B, C and D are standing on four corners of a square piece of plot as shown in the given figure. From the original position, D starts crossing the field diagonally. After walking half the distance he turns right, walks some distance and turns left. Which direction is D facing now?

South-east

B North-west

South-west

South





#Q. Vikas starts walking straight towards east. After walking 75 meters, he turns to the left and walks 25 meters straight. Again, he turns to left walks a distance of 40 meters straight, again he turns to left and walks a distance of 25 meters. How far is he from the starting point?



2 mins Summary



Topic

Coding Decoding & Directions



THANK - YOU