

Direction Sense

Q1 Two workers X and Y start walking from the same place. X walks 65 m west, then turns left and walks 25 m. In the meanwhile Y walks 20 m north, then turns to his right and walks 35 m, then turns south and walks 45 m. Where is Y with respect to X?

Q2 One day Ramesh tried to notice the shadow of a pole while coming home at 12:00 noon. In which direction could he find the shadow of the pole?

Q3 One morning Mahesh was standing in front of a pole. The shadow of the pole falls exactly to his right. To which direction was he facing?

Q4 Vishal travels 8 km towards east, then turns left and travels another 5 km, and then he turns 270 degrees anticlockwise. Which direction is he facing now?

Q5 A man is facing north – west. He turns 90° in the clockwise direction and then 135° in the anticlockwise direction. Which direction is he facing now?

Q6 B is South-West of A, C is to the East of B and South-East of A and D is to the North of C in line with B and A. In which direction of A is D located?

Q7 One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?

- A. East
- B. West
- C. North
- D. South

Q8

If South-East becomes North, North-East becomes West and so on. What will West become?

- A. North-East
- B. North-West

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C. South-East

D. South-West

Q9

One morning after sunrise, Vimal started to walk. During this walking he met Stephen who was coming from opposite direction. Vimal watch that the shadow of Stephen to the right of him (Vimal). To which direction Vimal was facing?

A. East

B. West

C. South

D. Data inadequate

Q10 Nine persons i.e. L, X, C, Z, K, U, F, R & Y are standing in a certain places. X is 7 m west of L. R is 12 m north of L. U is 19 m west of Z. K is 9 m west of C which is 7 m south of F. X is 14 m north of U. R is 13 m west of F. Y is 6 m west of Z

Q11 A person starts walking towards north direction from point M, after walking 6m he takes left turn and walks some distance to reach at point N. After that he takes 45 degree clockwise direction again walks 13m to reach at point O. Point P is 5m west of point N. O and P are in a straight line.

Q12 Point R is 7m north of point A. Point N is 6m east of point A. Point M is 7m south of point N. Ankit starts walking in north direction from point N and covers a certain distance then he takes a right turn, and again covers 8m to reach at point X. R and X are in straight line.

Q13 A, B, C, D, E, F, G, H and I are nine persons. C is 4 km east of B. A is 4 km north of B and H is 6 km south of A. G is 5 km west of B while D is 7 km east of G and F is 3km north of G. I is situated just in middle of B and A. distance between A and I is same as H and E.

Q14 Eight persons from A to H are standing in such places that C is 20 m apart from B towards

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West. B is 30 m South with respect to A. A is 40 m towards West with respect to E. D is 50 m towards South with respect to E. F is 15 m apart from G towards North. H is 15 m towards East with respect to G. F is 40 m towards West with respect to D.

Q15 Point A is 4m west of point G, which is 8m north of point B. Point E is 11m south of point D, which is 7m east of point F. Point H is 10 south of point C, which is 5m north of point F. Point B is 6m west of point H.

Q16 Six persons, P, Q, R, S, T and U are sitting at some distance from each other. P is sitting 5m west to T. R is sitting 7m north to U, who is sitting 4m east to S. T is sitting 3m north to Q, who is sitting 2m east to S.

Q17Seven persons, A, B, C, D, E, F and G are sitting at some distance from each other. D is sitting 3m north to F, who is sitting 4m west to G. C is sitting 4m west to B. E is sitting 4m west to D. A is sitting 9m south to C. B is sitting 3m south to E.

Q18 Point P is 5m east of point Q, which is 4m north of point R. Point R is exactly between point S and point T. Point S is 4m north of point Q, which is exactly between point U and point P.

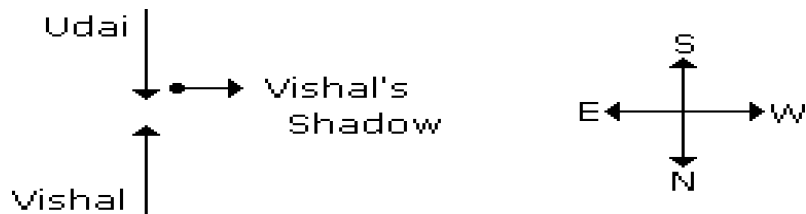
Q19 Abhishek starts walking from point A in east direction. After walking 10m he turns right and walks for 13m. He then turns left and walks for 5m and then turns left. He walks for 5m and then turns left and walks for 21m and stop at point B.

Q20 Point S is 5m east of point K, which is 4m south of point P. Point R is 6m south of point S, which is the middle point of point A and point R. Point L is 5m east of point A. Point L is 14m east of point N. Point A is in north of R.

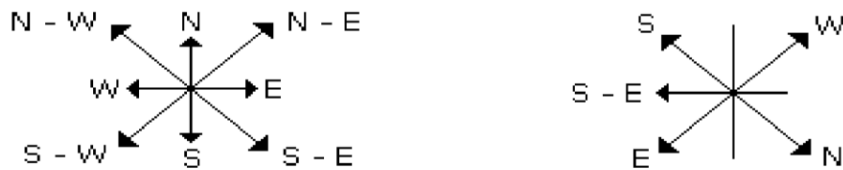
Solution

Q7 Option C

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Q8 Option C

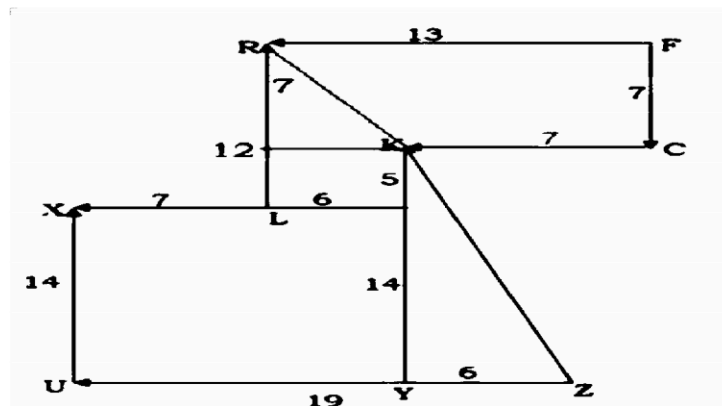


It is clear from the diagrams that new name of West will become South-East.

Q9 Option C

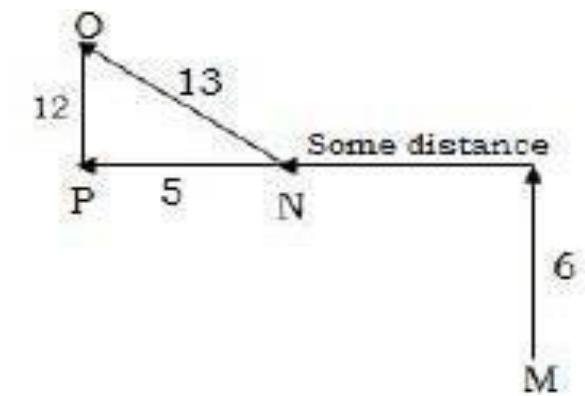
Sun rises in the east. So the shadow of a man will always falls towards the west. Since the shadow of Stephen is to the right of Vimal. Hence Vimal is facing towards South.

Q10

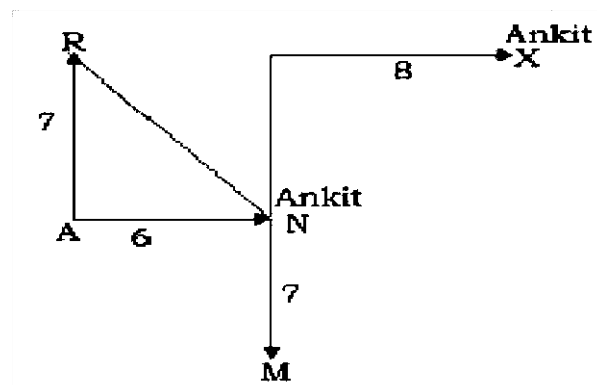


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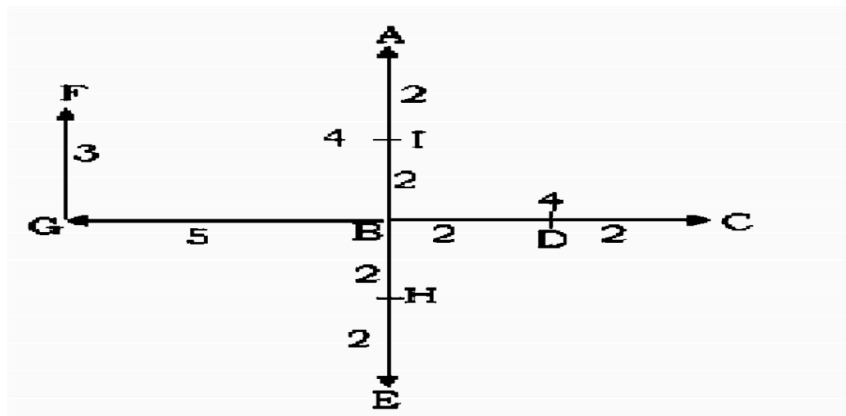
Q11



Q12

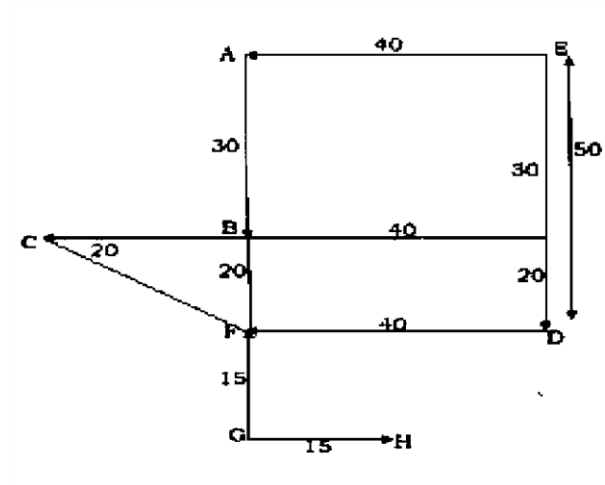


Q13

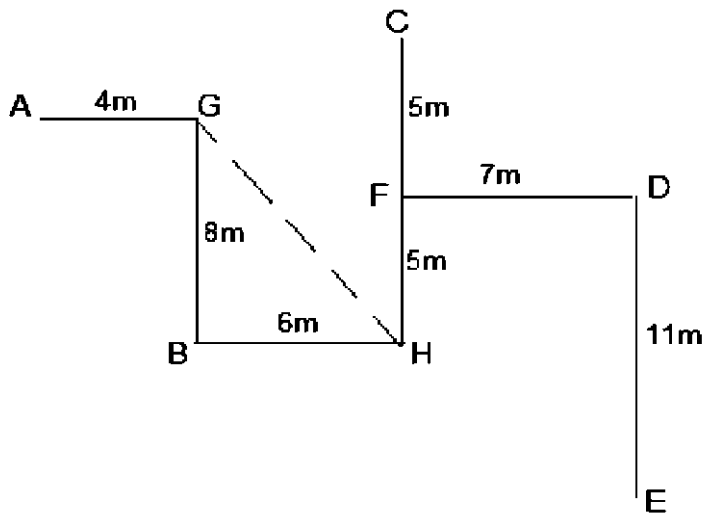


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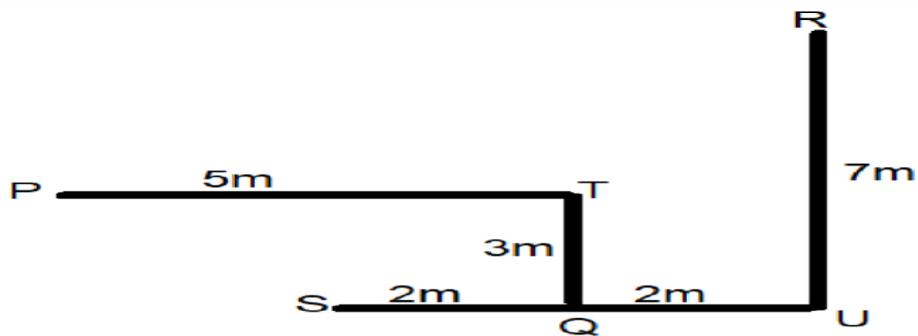
Q14



Q15

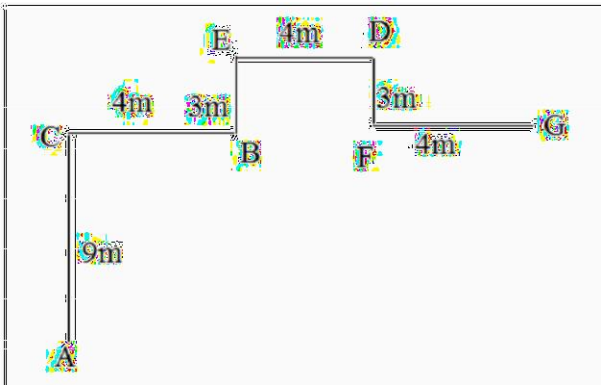


Q16

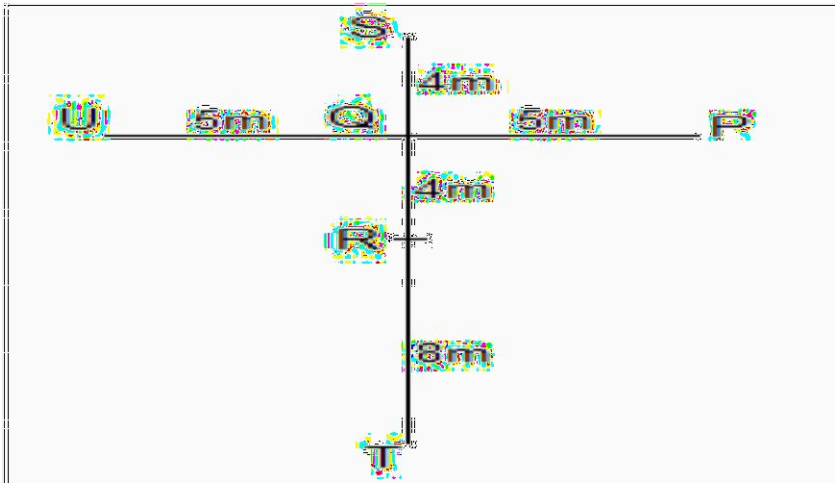


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Q17



Q18



Q19



Q20

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