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Direction Sense Questions for SBI Clerk Mains and IBPS Clerk Mains Exams.

Direction Sense Quiz 25

Directions: Read the given information carefully and answer the questions given beside.

It has been given that-

A is + from point B states B is to the NORTH of A.

A is = from point B states B is to the SOUTH of A.

A is || from point B states A is to the East of B.

A is * from point B states A is to the WEST of B.

Now, S is =20 m from point P. Point Q is =15 m from point R. Point U is +15 m from Point V. Point T is ||20 m from point V. Point U is ||16 m from point Q. Point R is ||30 m From point P.

1. What is the shortest distance between point S and Q?

- A. $5\sqrt{37}$ B. $7\sqrt{37}$ C. $4\sqrt{65}$ D. $2\sqrt{37}$ E. None of these

2. What is the shortest distance between the point T and the point which is to the East of Q?

- A. 25 m B. 26 m C. 30 m D. 24 m E. 22 m

3. U is in which direction with respect to P?

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

4. Z is a point which at a distance of 46 m from point U towards West. Then what is the distance between point S and point Z and in which direction with respect to S?

- A. 4 m north B. 5 m south C. 7 m east D. 6 m west E. None of these

5. R is in which direction with respect to T?

- A. North West B. South West C. South East D. North East E. None of these

Correct Answers:

1	2	3	4	5
A	A	C	B	B



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Common explanation :

Reference-

It is stated that

A + B states B is to the NORTH of A.

A = B states B is to the SOUTH of A.

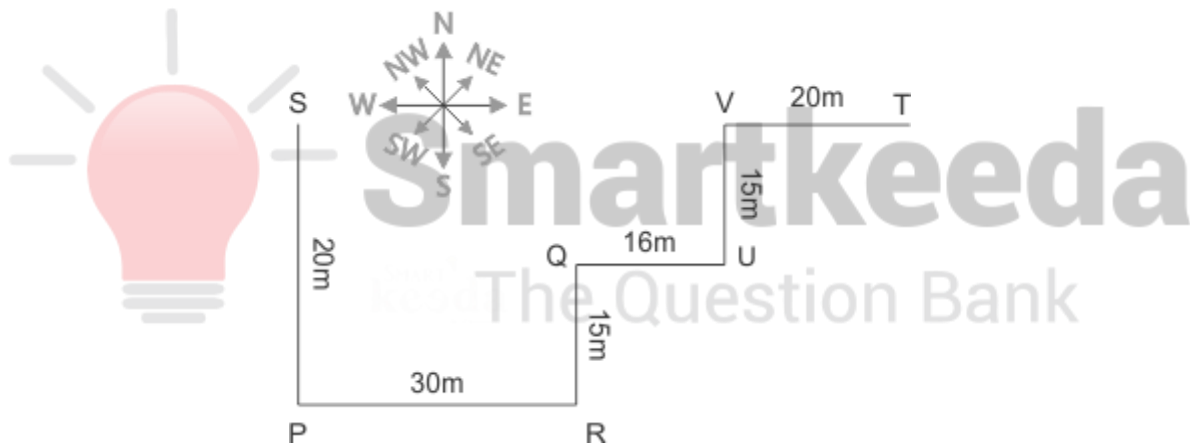
A || B states A is to the East of B.

A * B states A is to the WEST of B.

It has been further instructed that S is =20 m from point P. Point Q is =15 m from point R. Point U is +15 m from Point V. Point T is ||20 m from point V. Point U is ||16 m from point q. Point R is ||30 m From point P.

Inference-

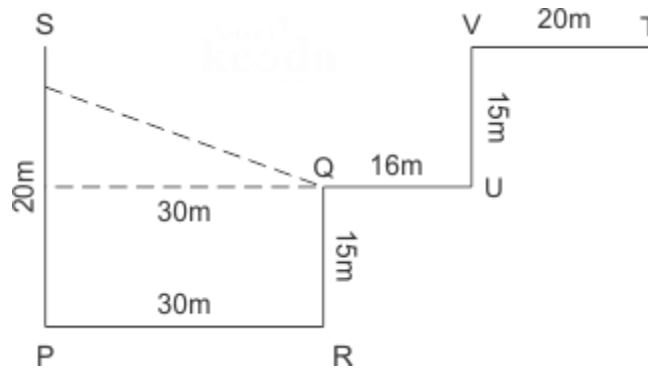
Thus using the above statements we can conclude and draw the diagram as follow-



Answers.

1. We can apply Pythagoras's theorem as follow-

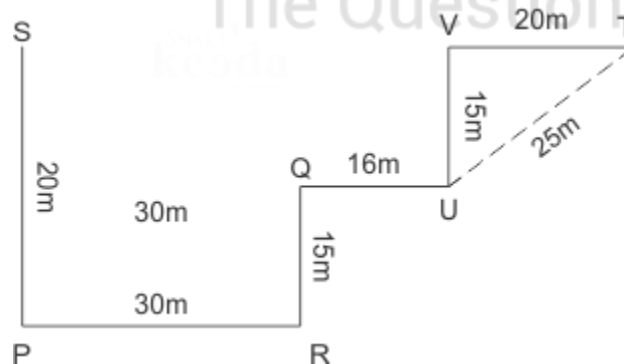
$$\text{Sqrt} (5^2 + 30^2) = \sqrt{ (25+900) } = \sqrt{925} = \sqrt{ (25*37) } = 5 \sqrt{ 37 }.$$



Hence option A is correct

2. The point to the East of Q is U. So using Pythagoras's theorem, we can find the distance between T and U.

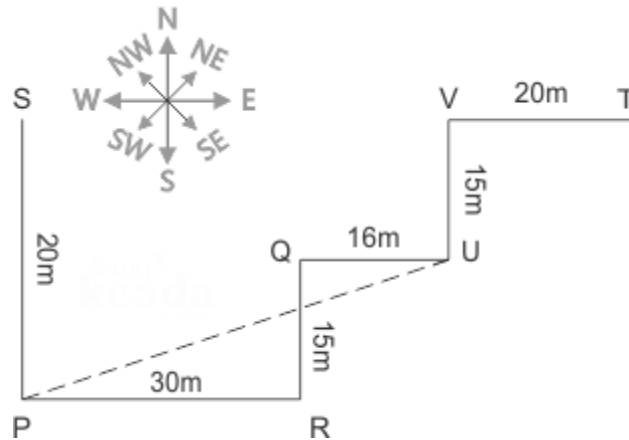
$$\sqrt{15^2 + 20^2} = \sqrt{225 + 400} = \sqrt{625} = 25 \text{ m}$$



Hence option A is correct.

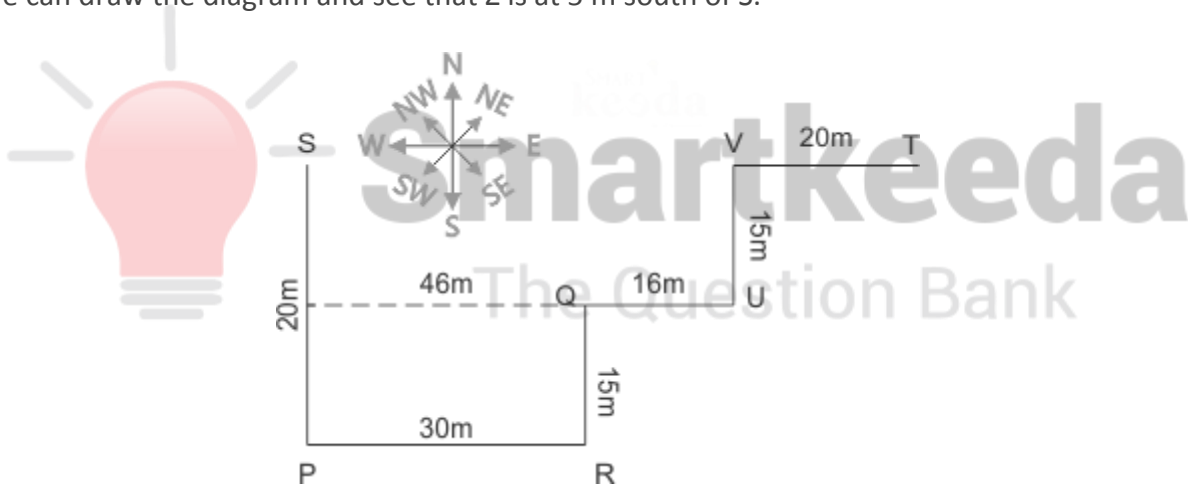


3. We can see that U is in North East direction with respect to P.



Hence option C is correct.

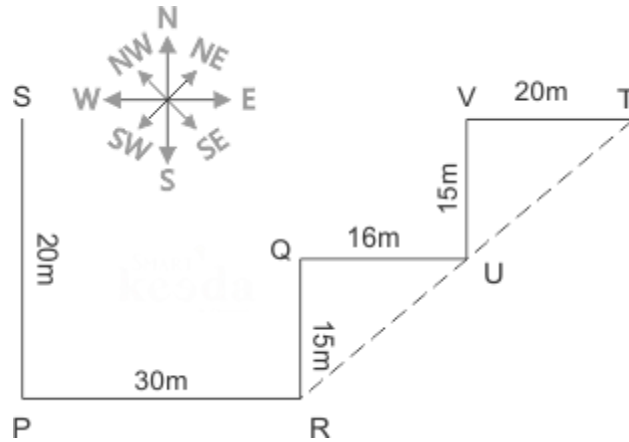
4. We can draw the diagram and see that Z is at 5 m south of S.



We can see that $20 - 15 = 5$ m.

Hence option B is correct

5. We can see from the figure that R is in south west with respect to T



Hence option B is correct.



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