

# 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 \|f 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 $=20 \mathrm{~m}$ from point $P$. Point $Q$ is $=15 \mathrm{~m}$ from point $R$. Point $U$ is +15 m from Point V . Point $T$ is $\| 20 \mathrm{~m}$ from point V. Point $U$ is \| $\| 16 \mathrm{~m}$ from point $Q$. Point $R$ is \| $\mid 30 \mathrm{~m}$ From point $P$.

1. What is the shortest distance between point $S$ and $Q$ ?
A. $5 \vee 37$
B. $7 \vee 37$
C. $4 \vee 65$
D. $2 \vee 37$
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. $\quad Z$ 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:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: |
| 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 $A$.
$A|\mid B$ 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 $=20 \mathrm{~m}$ from point P . Point Q is $=15 \mathrm{~m}$ from point R . Point U is +15 m from Point V. Point $T$ is $\| 20 \mathrm{~m}$ 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-

Sqrt $\left(5^{2}+30^{2}\right)=\vee(25+900)=\vee(925)=\vee(25 * 37)=5 \vee 37$.


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.
$V\left(15^{2}+20^{\wedge} 2\right)=V(225+400)=V(625)=25 \mathrm{~m}$


P
R

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 $=5 \mathrm{~m}$.

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.


Presents

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