Instructions
Study the following information carefully and answer the questions given below:
R is 15m west of Q. J is 6m north of Q. W is 2m west of J. L is 10m south of W. K is 6m west of L.

Question 1
If F is 4m to the south of R and V is 2m east of K, how far is Point F from Point V?

A 8m
B 10 m
C 5m
D 9m
E 4m

Answer: D

Explanation:
L is 10 m south of W, => WZ = 6m and ZL = 4 m
Similarly, Since, KL = 6 m, => RY = 7 m
and WJ = ZQ = 2 m
If F is 4 m to the south of R, => F is 7 m to the west of K.
and V is 2 m to the east of K.
=> Distance between V and K = 7 + 2 = 9 m
=> Ans - (D)

Question 2
Kabir walks 10m towards south from Point J, takes a right turn and walks for 3m. How far will he be from Point K?

A 4 m
B 10 m
C 5 m
D 6 m
E 9 m

Answer: C

Explanation:
L is 10 m south of W, \( \Rightarrow \) WZ = 6 m and ZL = 4 m
Similarly, Since KL = 6 m, \( \Rightarrow \) RY = 7 m
and WJ = ZQ = 2 m
Kabir walks 10 m south of J \( \Rightarrow \) he is 2 m to the east of L.
Then he takes right turn and walks 3 m, \( \Rightarrow \) he is 1 m to the west of L.
Distance between Kabir and point K = 6 - 1 = 5 m
\( \Rightarrow \) Ans - (C)

**Question 3**
In which direction is R with respect to J?

A West
B South east
C North east
D North
E South west

Answer: E

Explanation:

L is 10 m south of W, \( \Rightarrow \) WZ = 6 m and ZL = 4 m
Similarly, Since KL = 6 m, \( \Rightarrow \) RY = 7 m
and WJ = ZQ = 2 m
Clearly, R is in south west direction with respect to J.
\( \Rightarrow \) Ans - (E)
Instructions
Study the following information carefully and answer the questions given below:
S is 11m east of N. N is 8m North of P. P is 4m west of O. Point O is the midpoint of Points P and R, such that P, O and R form a straight line. Q is 13m south of R.

Question 4
If L is 8m east of R and M is 7m south of S, then what is the distance between M and Q?

A  6m  
B  10m  
C  7m  
D  5m  
E  3m

Answer: B

Explanation:
P is 4m west of O and Point O is the midpoint of Points P and R, => R is 4 m east of point O.
S is 11m east of N and N is 8m North of P.
Also, Q is 13m south of R.

If L is 8 m east of R and M is 7 m south of S, => vertical distance between M and Q = 13 - 7 = 6 m
Horizontal distance between M and Q = 8 m
=> Distance between M and Q = \sqrt{(8)^2 + (6)^2} = \sqrt{64 + 36} 
= \sqrt{100} = 10 m
=> Ans - (B)

Question 5
In which direction is N with respect to Q?

A  North-West
Explanation:
P is 4m west of O and Point O is the midpoint of Points P and R, => R is 4 m east of point O.
S is 11m east of N and N is 8m North of P.
Also, Q is 13m south of R.

Question 6
Hiten walks 2m towards north from Point P, takes a right turn and walks for 8m. How far will he be from Point Q?

A 13m
B 7m
C 17m
D 8m
E 15m

Answer: E

Explanation:
P is 4m west of O and Point O is the midpoint of Points P and R, => R is 4 m east of point O.
S is 11m east of N and N is 8m North of P.
Also, Q is 13m south of R.
Hiten walks 2 m towards north from P and then after a right turn and walks 8 m, => Hiten is now 2 m of the north of point R.
Distance from Q = 2 + 13 = 15 m
=> Ans - (E)

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Instructions
Read the following information carefully and answer the questions given below:
Point B is 4 metres towards the North of point A.
Point E is 8 metres towards the East of point B.
Point C is 5 metres towards the East of point A.
Point D is 9 metres towards the West of point C.

Question 7
How far should one walk from point A in order to reach point D?

A 4 metres
B 9 metres
C 5 metres
D 14 metres
E 8 metres

Answer: A

Explanation:
Point B is 4 m towards the North of point A and point C is 5 m towards the East of point A.
Point E is 8 m towards the East of point B.
Point D is 9 m towards the West of point C, => D is 4 m west of point A.
Point D is 4 m to the west of point A.

Question 8
If a person walks 4 metres towards the South from point E and then walks after taking a right turn, which of the following points would he reach first?

A A
B B
C C
D D
E None of these

Answer: C

Explanation:
Point B is 4 m towards the North of point A and point C is 5 m towards the East of point A.
Point E is 8 m towards the East of point B.
Point D is 9 m towards the West of point C, => D is 4 m west of point A.

If a person walks 4 m south of point E, he will reach 3 m to the east of C, thus, after taking right right he will first reach point C.

=> Ans - (C)

Instructions
Study the given information carefully to answer the given questions.
Point Q is 12 m to the east of Point P. Point T is 18 m to the south of Point Q. Sneha who is standing at Point T, walks 4m* towards east, takes a left turn and walks 18m. She takes a right turn, walks for 3m and stops at Point V.

Question 9
In which direction is Point T with respect to Point V?

A North-west
B East
C West
Answer: E

Explanation:
Point Q is 12 m to the east of Point P and Point T is 18 m to the south of Point Q.
Sneha walks 4 m towards east from point T, let she stops at point X.
She takes a left turn from X and walks 18 m i.e., towards north, let she stops at point Y.
Finally, she walks 3 m towards east and reaches point V.

Clearly, point T is south west from point V.
=> Ans - (E)

Question 10
How far and in which direction is Point Q with respect to Point V?

A 7m towards west
B 16m towards east
C 9m towards east
D 15m towards east
E 19 towards west

Answer: A

Explanation:
Point Q is 12 m to the east of Point P and Point T is 18 m to the south of Point Q.
Sneha walks 4 m towards east from point T, let she stops at point X.
She takes a left turn from X and walks 18 m i.e., towards north, let she stops at point Y.
Finally, she walks 3 m towards east and reaches point V.
Point Q is \((4 + 3) = 7\) m to the west of point V.

\[\text{Ans - (A)}\]

Instructions
Study the following information carefully and answer the questions given below.
P is to the North of Q and S is to the East of P, who is to the South of W. T is to the West of P.

Question 11
Who among the following is towards South of W and North of Q?

A. P  
B. T  
C. S  
D. Q  
E. None of these

Answer: A

Explanation:
P is to the North of Q and S is to the East of P.
P is to the South of W and T is to the West of P.

P is to the south of W and to the north of Q.

\[\text{Ans - (A)}\]

Question 12
W is in which direction with respect to T?

A. North  
B. North-East  
C. South-West
Answer: B

Explaination:
P is to the North of Q and S is to the East of P.
P is to the South of W and T is to the West of P.

W is in northeast direction with respect to T.

=> Ans - (B)

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Instructions
Study the following information carefully and answer the given questions. Point D is 14 m towards the West of Point A. Point B is 4 m towards the South of point D. Point F is 9 m towards the South of point D. Point E is 7 m towards the East of point B. Point C is 4 m towards the North of point E. Point G is 4 m towards the South of point A.

Question 13
Which of the following points are in a straight line?

A  C, E, A
B  E, G, C
C  D, B, G
D  E, G, B
E  F, B, C

Answer: D

Explanation:
Point D is 14 m towards the West of Point A and point B is 4 m towards the South of point D.
Point F is 9 m towards the South of point D, => Point F is 5 m towards south of point B.
Point E is 7 m towards the East of point B and point C is 4 m towards the North of point E, => Point E is exactly in the middle of D and A.
Point G is 4 m towards the South of point A, => Point G is 7 m towards east of point E.
Clearly, BEG are in a straight line.

=> Ans - (D)

Question 14
A is in which direction with respect to C?

A East
B West
C North
D South
E Cannot be determined

Answer: A

Explanation:
Point D is 14 m towards the West of Point A and point B is 4 m towards the South of point D.
Point F is 9 m towards the South of point D, => Point F is 5 m towards south of point B.
Point E is 7 m towards the East of point B and point C is 4 m towards the North of point E, => Point E is exactly in the middle of D and A.
Point G is 4 m towards the South of point A, => Point G is 7 m towards east of point E.

A is in east direction with respect to point C.

=> Ans - (A)

Question 15
If a person walks 5 m towards North from point F and then takes a right turn, which of the following points would he reach first?

A G
B D
C E
D A
Answer: C

Explanation:
Point D is 14 m towards the West of Point A and point B is 4 m towards the South of point D.
Point F is 9 m towards the South of point D, => Point F is 5 m towards south of point B.
Point E is 7 m towards the East of point B and point C is 4 m towards the North of point E, => Point E is exactly in the middle of D and A.
Point G is 4 m towards the South of point A, => Point G is 7 m towards east of point E.

If a person walks 5 m towards north from point F, he will reach point B. After taking a right turn from B, the first point he would reach = Point E.
=> Ans - (C)