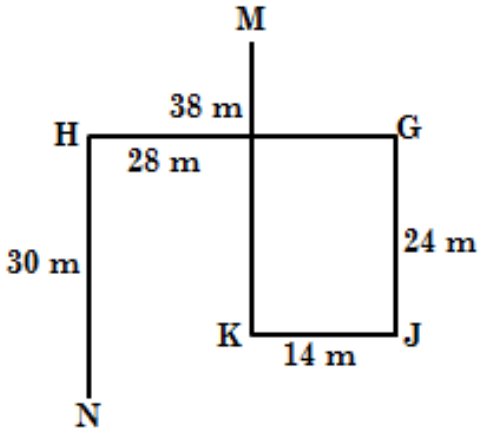
Distance

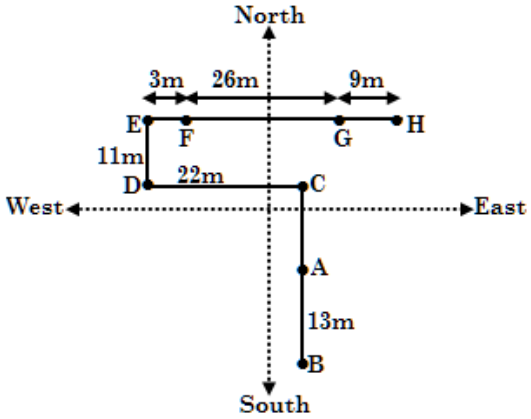
Solution

Direction (1-3):



1. **Answer: (E)**
2. **Answer: (B)**
3. **Answer: (C)**
4. **Answer: (B)**

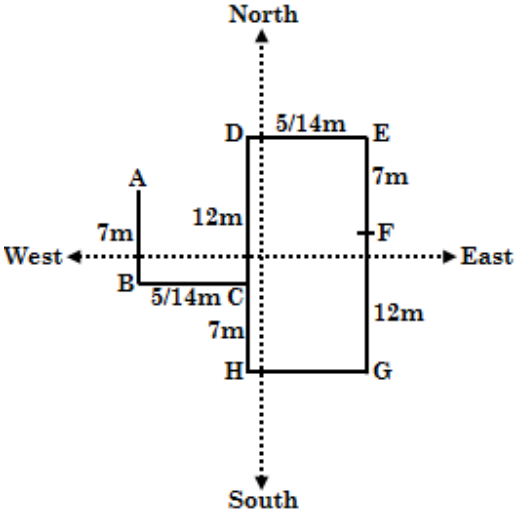
By observing the given information, we can conclude that,
@ denotes north
$ denotes east
% denotes south
& denotes west
In case of odd number: we have to add 15 in the given position.
In case of even number, we have to subtract 15 in the given position.
A 28@B, B 9% C, C 7$ D, D 26%E, E 18& F, F 11&G, G 24% H.
By decoding these expressions, we get
A 24@B: A is 13m is to the north of B
B 9% C: B is 24m is to the south of C
C 7$ D: C is 22m is to the east of D
D 26% E: D is 11m is to the south E
E 18& F: E is 3m is to the west of F
F 11& G: F is 26m is to the west of G
G 24& H: G is 9m is to the west H.



By checking the options:
1) F 5* A: F is northeast 20m to A → False
2) C 9@ B: C is 24m north to B → True
Hence, **C 9@ B** is the correct answer.

Direction (5-7):

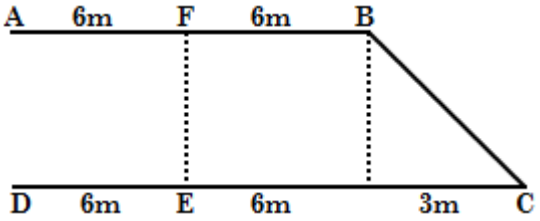
Statement: **A@B, B#C, C$D@&A, D#E@F@&C, F@G$&C, G&H$C**



5. **Solution (D):**
Hence, B is in North-west to G.
6. **Solution (A):**
If the distance between B and C is less than AB than it will be 5m so BC=DE=5m
Hence CE = 13m.

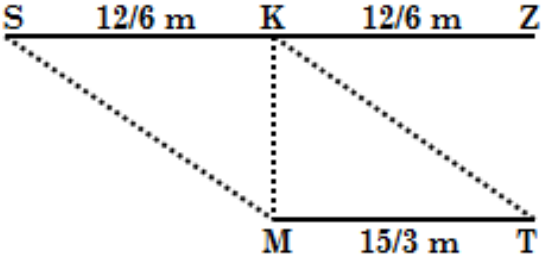
7. **Solution (C):**
Hence, total distance between E and G is 19 m.

8. **Answer: (D)**
It is given that DE < DC/2 so the value of DC = 15m and AB = 12m or 6m
D and A are vertically inline so DE = AF, DE = 6m, EC = 15 – 6 = 9m
It is given that EC < 10 so DE = 6m and AB = 12m
Hence FB = 6m

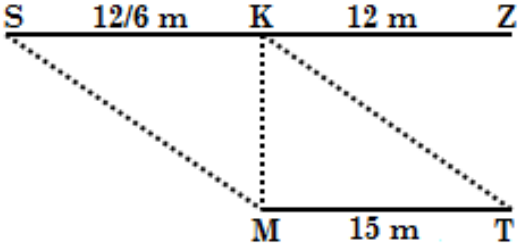


9. **Answer: (E)**
The direction of A with respect to F can't be determined.

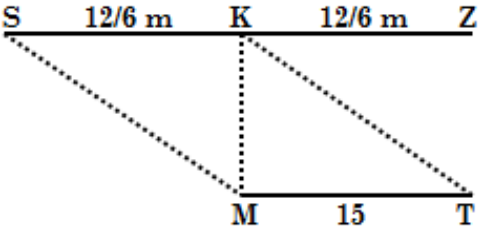
10. **Answer: (A)**
There are four possible possibilities but two will cancel out by the condition that K is in east of S and K is in north of M so the final figure is given below.
It is clear that Z is in north east from M.



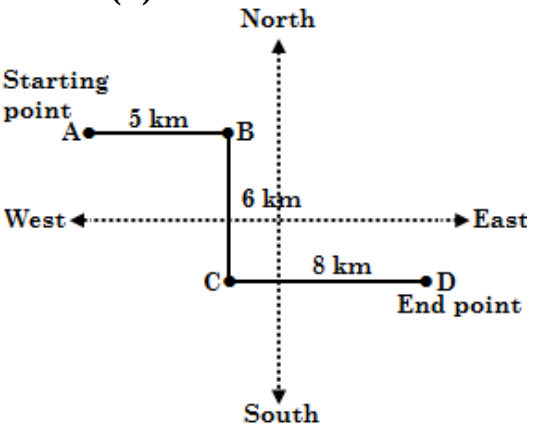
11. **Answer: (D)**
It is given that MT > SK so MT = 15m KZ = 12m and SK =12m or 6m so the value of SZ = (12+12) or (12+6) = 24m or 18 m



12. **Answer: (D)**
It is given that MT > SK so MT=15m and **SK** = 12m or 6m
SK + MT = (12+15) or (15+6) = 27m or 21m

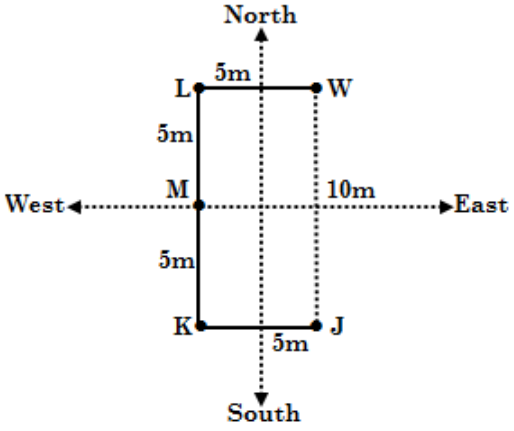


13. **Solution (A):**



Hence, the starting point is in the North-West direction with respect to the endpoint.

Direction (14-16): The diagram for the given direction problem is as follows:



14. **Solution (C):**
Hence, W is 10 m far with respect to J.

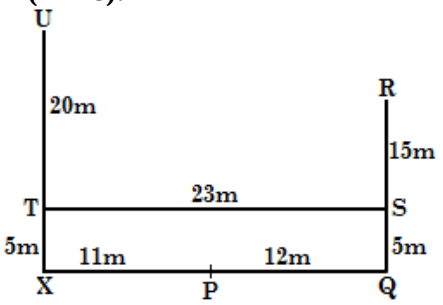
15. **Solution (A):**

Hence, P is in west direction with respect to M.

16. Solution (C):

Hence, **V $ U** is the true statement.

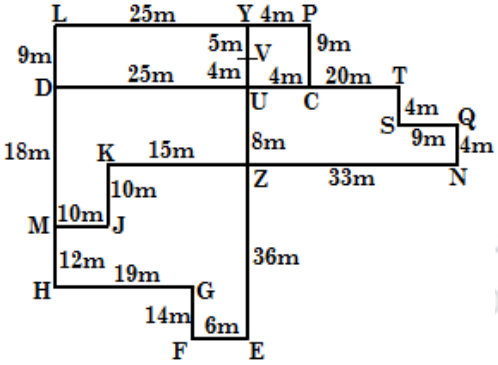
Direction (17-18):



17. Answer: (D)

18. Answer: (C)

Direction (19-20):



19. Answer: (A)

20. Answer: (C)