

Directions & Distance

1. A man starts from a point and walks **7 km north**, then turns right and walks **6 km east**. He then turns right again and walks **5 km south**. After this, he takes a left turn and walks **8 km east**, followed by another left turn where he walks **7 km north**. He then turns left again and walks **10 km west**. Finally, he turns left and walks **2 km south** before stopping. What is his position relative to the starting point?

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

2. A person starts walking **8 km west**, then turns left and walks **6 km south**. He then turns left again and walks **4 km east**. Next, he takes a right turn and walks **5 km south**, followed by a **7 km westward walk**. He then turns right and walks **10 km north** and finally turns left to walk **3 km west**. What is his final direction from the starting point?

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

3. A man walks **6 km east**, then turns left and walks **9 km north**. He then turns left again and walks **4 km west**, followed by a right turn where he walks **5 km north**. After this, he turns right and walks **10 km east** and then takes another right turn to walk **7 km south**. He finally walks **6 km west** before stopping. What is his final position from the starting point?

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

4. A person starts moving **5 km south**, then turns right and walks **7 km west**. He then turns right again and walks **9 km north**. After this, he turns left and walks **6 km west**, followed by a left turn where he walks **10 km south**. He then takes another left and walks **8 km east**, followed by a right turn where he walks **5 km south**. What is his final direction from the starting point?

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

5. A man starts his journey by walking **9 km north**, then turns left and walks **4 km west**. He then turns left again and walks **6 km south**, followed by a right turn where he walks **10 km west**. Next, he turns left and walks **7 km south**, followed by a left turn where he walks **6 km east**. Finally, he turns right and walks **4 km south** before stopping. What is his final position from the starting point?

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

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6. A man starts walking **8 km east**, then turns left and walks **5 km north**. He then turns left again and walks **6 km west**, followed by a right turn where he walks **4 km north**. After this, he turns right and walks **7 km east**, followed by another right turn where he walks **9 km south**. Finally, he turns left and walks **6 km west** before stopping. What is his position relative to the starting point?

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

7. A person starts from a point and walks **6 km north**, then turns right and walks **9 km east**. He then turns right again and walks **4 km south**, followed by a left turn where he walks **7 km east**. Next, he takes a right turn and walks **5 km south**, followed by another right turn where he walks **8 km west**. Finally, he turns left and walks **6 km south** before stopping. What is his final direction from the starting point?

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

8. A man starts from his home and walks **9 km west**, then turns left and walks **6 km south**. He then turns left again and walks **5 km east**, followed by a right turn where he walks **7 km south**. After this, he turns left and walks **8 km west**, then takes another left turn and walks **9 km north**. Finally, he turns right and walks **3 km east** before stopping. What is his position relative to the starting point?

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

9. A person starts from his house and walks **10 km east**, then turns left and walks **7 km north**. He then turns left again and walks **6 km west**, followed by another left turn where he walks **9 km south**. After this, he turns right and walks **8 km west**, followed by another right turn where he walks **4 km north**. Finally, he turns left and walks **5 km west** before stopping. What is his final position from the starting point?

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

10. A man walks **12 km north**, then turns right and walks **8 km east**. He then turns right again and walks **10 km south**, followed by another right turn where he walks **7 km west**. After this, he turns left and walks **4 km south**, then takes another left turn and walks **9 km west**. Finally, he turns right and walks **3 km north** before stopping. What is his position relative to the starting point?

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

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11. A man starts walking **12 km north**, then turns **right** and walks **8 km east**. He then turns **left** and walks **5 km north**, followed by a **left turn** where he walks **10 km west**. Next, he turns **right** and walks **6 km north**, then takes a **right turn** and walks **8 km east**. Finally, he turns **left** and walks **7 km north**. If he is now facing **north**, in which direction did he start?

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

12. A person walks **15 km east**, then turns **right** and walks **6 km south**. He then turns **left** and walks **10 km east**, followed by a **left turn** where he walks **8 km north**. Next, he turns **right** and walks **12 km east**, then takes a **right turn** and walks **14 km south**. Finally, he turns **left** and walks **5 km east**. If he is now facing **east**, in which direction did he start?

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

13. A person walks **10 km south**, then turns **right** and walks **4 km west**. He then turns **left** and walks **7 km south**, followed by a **left turn** where he walks **5 km east**. Next, he turns **right** and walks **12 km south**, then takes a **right turn** and walks **3 km west**. Finally, he turns **left** and walks **6 km south**. If he is now facing **south**, in which direction did he start?

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

14. A man walks **9 km west**, then turns **left** and walks **6 km south**. He then turns **left** and walks **5 km east**, followed by a **right turn** where he walks **7 km north**. After this, he turns **left** and walks **8 km west**, then takes another **left turn** and walks **9 km north**. Finally, he turns **right** and walks **3 km east**. If he is now facing **west**, in which direction did he start?

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

15. A person starts from his home and walks **10 km north**, then turns **right** and walks **12 km east**. He then turns **right** again and walks **14 km south**, followed by another **right turn** where he walks **12 km west**. Next, he turns **left** and walks **6 km south**, then takes a **left turn** and walks **7 km east**. Finally, he turns **right** and walks **8 km north**. If he is now facing **north**, in which direction did he start?

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

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16. A man walks **5 km east**, then turns **left** and walks **10 km north**. He then turns **left** and walks **6 km west**, followed by a **right turn** where he walks **8 km north**. He then takes a **left turn** and walks **3 km west**, followed by another **left turn** where he walks **9 km south**. Finally, he turns **right** and walks **5 km west**. If he is now facing **west**, in which direction did he start?

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

17. A person starts from his house and walks **12 km north**, then turns **right** and walks **8 km east**. He then turns **left** and walks **5 km north**, followed by another **left turn** where he walks **10 km west**. He then turns **right** and walks **6 km north**, followed by another **right turn** where he walks **8 km east**. Finally, he turns **left** and walks **7 km north**. If he is now facing **north**, in which direction did he start?

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

18. A man walks **15 km north**, then turns **right** and walks **12 km east**. He then turns **right** and walks **8 km south**, followed by another **right turn** where he walks **5 km west**. He then turns **right** and walks **6 km north**, followed by another **left turn** where he walks **9 km east**. Finally, he turns **right** and walks **4 km north**. If he is now facing **north**, in which direction did he start?

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

19. A person walks **10 km south**, then turns **left** and walks **6 km east**. He then turns **left** and walks **8 km north**, followed by another **left turn** where he walks **4 km west**. He then takes a **left turn** and walks **9 km south**, followed by another **left turn** where he walks **5 km west**. Finally, he turns **right** and walks **6 km north**. If he is now facing **north**, in which direction did he start?

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

20. A man walks **12 km north**, then turns **right** and walks **9 km east**. He then turns **right** again and walks **6 km south**, followed by another **right turn** where he walks **5 km west**. Next, he turns **right** and walks **7 km south**, then takes a **left turn** and walks **10 km west**. Finally, he turns **right** and walks **4 km north**. If he is now facing **north**, in which direction did he start?

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

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21. A person is facing **North**. He turns **45° clockwise**, then **90° counterclockwise**, then **135° clockwise**, and finally **45° counterclockwise**. In which direction is he facing now?

Options:

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

22. A person is facing **East**. He turns **30° clockwise**, then **120° counterclockwise**, then **45° clockwise**, and finally **60° counterclockwise**. What is his final direction?

Options:

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

23. A person is facing **South**. He turns **60° counterclockwise**, then **75° clockwise**, then **90° counterclockwise**, and finally **30° clockwise**. In which direction is he facing now?

Options:

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

24. A person facing **West** turns **40° clockwise**, then **80° counterclockwise**, then **100° clockwise**, and finally **50° counterclockwise**. What is his final direction?

Options:

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

25. A person facing **North-East** turns **45° counterclockwise**, then **135° clockwise**, then **90° counterclockwise**, and finally **60° clockwise**. In which direction is he now facing?

Options:

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

26. A person facing **South-West** turns **90° clockwise**, then **45° counterclockwise**, then **90° clockwise**, and finally **60° counterclockwise**. What is his final direction?

Options:

- A. West
- B. South-East

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- C. North-West
- D. North-East

27. A person facing **South-East** turns **135° clockwise**, then **90° counterclockwise**, then **45° clockwise**, and finally **30° counterclockwise**. What is his final direction?

Options:

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

28. A person is facing **West**. He turns **75° clockwise**, then **60° counterclockwise**, then **90° clockwise**, and finally **30° counterclockwise**. What is his final direction?

Options:

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

29. A person is facing **North**. He turns **30° counterclockwise**, then **90° clockwise**, then **75° counterclockwise**, and finally **45° clockwise**. What is his final direction?

Options:

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

30. A person facing **East** turns **60° clockwise**, then **135° counterclockwise**, then **90° clockwise**, and finally **75° counterclockwise**. What is his final direction?

Options:

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