QUIZIZZ Worksheets

Name

Class

Date

Distance and Displacement

Total questions: 23

Worksheet time: 20mins

1. Distance and direction of an object's change in position from a starting point

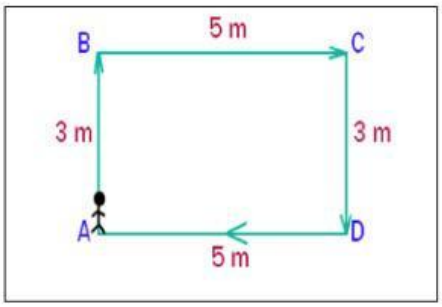
a) displacement

b) distance

c) motion reference

d) point

2.

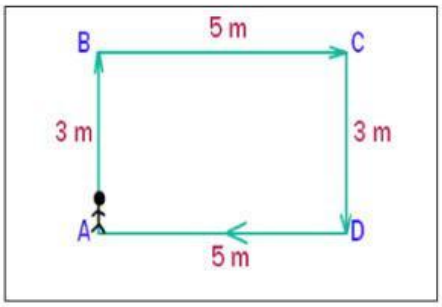


Sara walks from Point A to Point B. Which is true?

a) Distance and displacement are EQUAL

b) Distance is less than displacement

3.



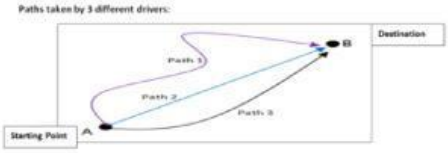
Find the distance Sara walks from A to B, B to C then C to D?

a) 11 m

b) 3 m

c) 5 m

d) 8 m

4. 

Which driver has an equal distance and displacement at B?

a) 1
b) 2
c) 3

5. Jermaine runs exactly 2 laps around a 400 meter track. What is the displacement?

a) 800
b) 400
c) 0
d) 200

6. David walks 3 km north, and then turns east and walks 4 km. What is the distance?

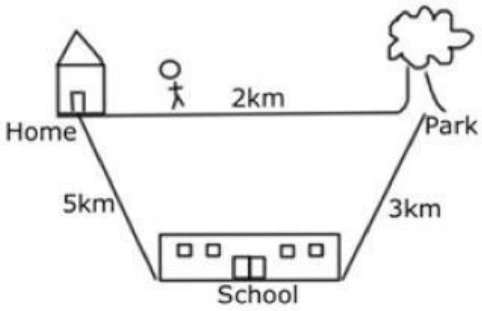
a) 7 km
b) 3 km
c) 4 km
d) 1 km

7. Bill runs 400 meters to Andy's house, turns around, and runs 400 meters back home. What is Bill's distance?

a) 0 meters
b) 400 meters
c) 800 meters
d) 1600 meters

8. Bill runs 400 meters to Andy's house, turns around, and runs 400 meters back home. What is Bill's displacement?

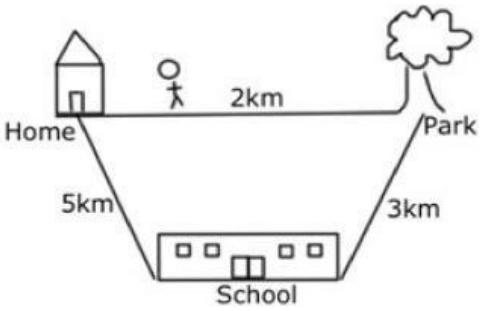
a) 0 meters
b) 400 meters
c) 800 meters
d) 1600 meters

9. 

Jerry walked from home to school, then from the school to the park. What is his total distance?

a) 2 km
b) 8 km
c) 5 km
d) 10 km

10.



Jerry walked from home to school, then from the school to the park. What is his total displacement?

a) 2 km
b) 5 km
c) 8 km
d) 10 km

11. A person walks 50 meters directly north, stops, and then travels 32 meters directly south. What is their displacement?

a) 82 meters
b) 18 meters
c) 28 meters

12. After completing one trip on a roller coaster, the roller coaster's _____ is zero.

a) displacement
b) reference point
c) length
d) distance

13. f a car moves 12 km North, 19 km East, and 12 km South, what is its displacement?

a) 31 km
b) 12 km
c) 19 km, East
d) 43 km, East

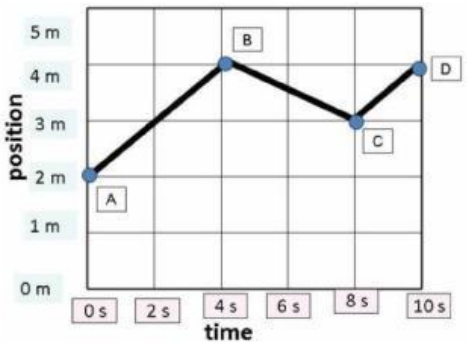
14.

If a boomerang is thrown 20 m in a straight line and returns exactly to the spot it was thrown what is its displacement?

a) 20 m
b) 40 m
c) -20 m
d) 0 m

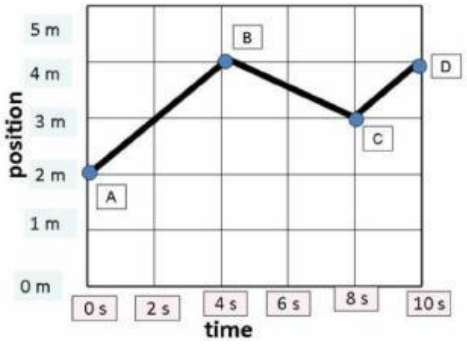
15. Scott travels north 5 miles and then goes west 3 miles before coming straight back south 2 miles. What is his distance?

a) 10
b) 7
c) 8
d) 6

16. 

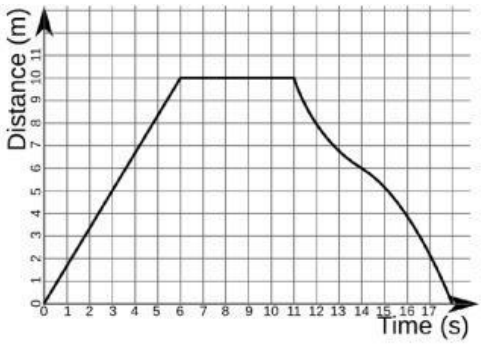
What is the total displacement of the object represented in this motion graph?

a) 5 meters
b) 4 meters
c) 2 meters
d) 0 meters

17. 

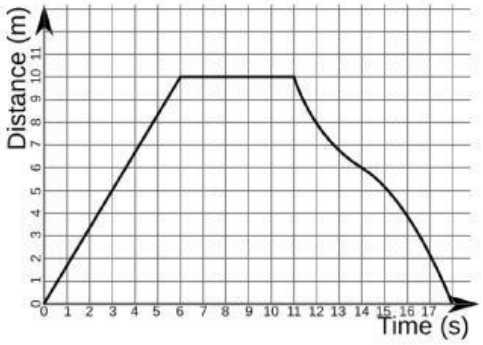
What is the total distance of the object represented in this motion graph?

a) 5 meters
b) 4 meters
c) 2 meters
d) 0 meters

18. 

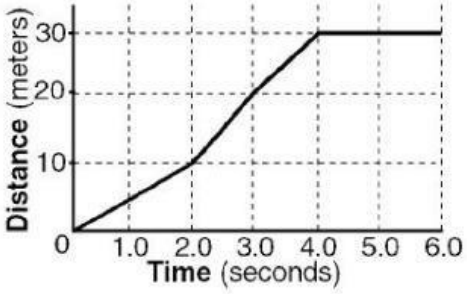
What is the total distance of the object represented in this motion graph?

a) 0 meters
b) 10 meters
c) 11 meters
d) 20 meters

19. 

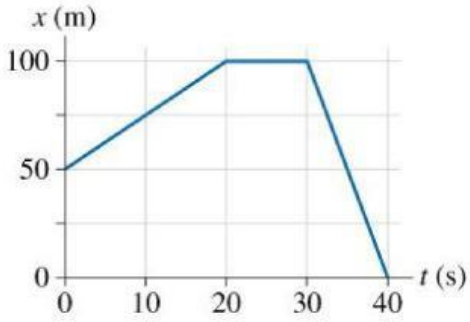
What is the total displacement of the object represented in this motion graph?

a) 0 meters
b) 10 meters
c) 11 meters
d) 20 meters

20. 

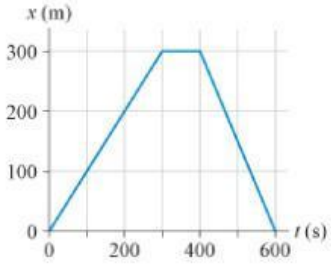
What is the total displacement of the object represented in this motion graph?

a) 0 meters
b) 20 meters
c) 30 meters
d) 60 meters

21. 

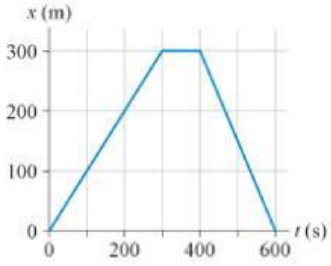
What is the total distance of the object represented in this motion graph?

a) 50 meters
b) - 50 meters
c) 150 meters
d) 100 meters

22. 

What is the total distance of the object represented in this motion graph?

a) 0 meters
b) 300 meters
c) 450 meters
d) 600 meters

23. 

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