QUIZIZZ

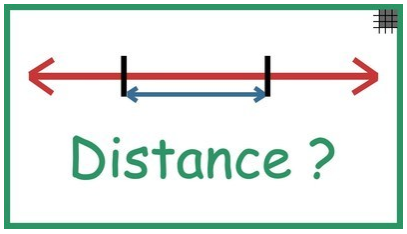
NAME : _____

CLASS : _____

DATE : _____

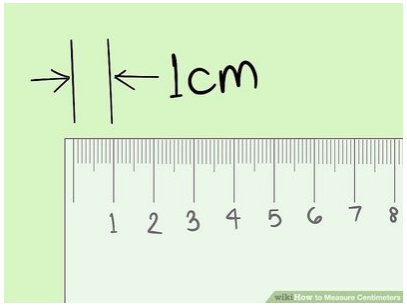
2.1 Distance & Displacement

16 Questions

1. 

The scientific (SI) unit for measuring distance is the _____ .

- ☐ a) mile
- ☐ b) foot
- ☐ c) kilometer
- ☐ d) meter

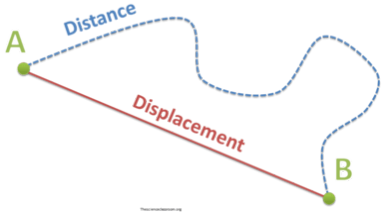
2. 

There are _____ centimeters in a meter.

- ☐ a) 10
- ☐ b) 100
- ☐ c) 1,000
- ☐ d) 10,000

3. What describes a vector best?

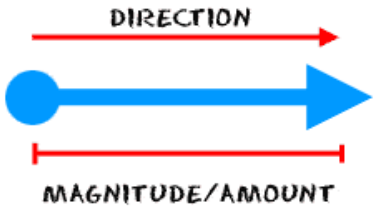
- ☐ a) Magnitude
- ☐ b) Magnitude and unit
- ☐ c) Magnitude, unit, and direction
- ☐ d) Direction

4. 

Displacement is distance combined with _____

- ☐ a) direction
- ☐ b) speed
- ☐ c) velocity
- ☐ d) magnitude

5. Because displacement has a magnitude and direction it is called a _____.



- ☐ a) distance
- ☐ b) vector
- ☐ c) arrow
- ☐ d) length

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

- ☐ a) displacement
- ☐ b) distance
- ☐ c) motion
- ☐ d) reference point

7. 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

8. 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

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

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- ☐ b) 400 meters
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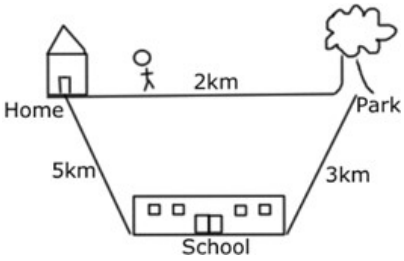
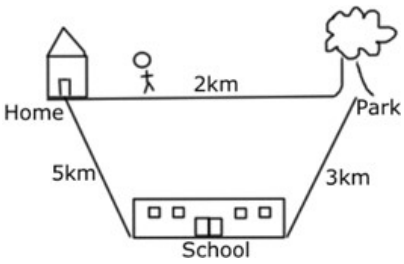
10. 

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

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

11. 

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

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

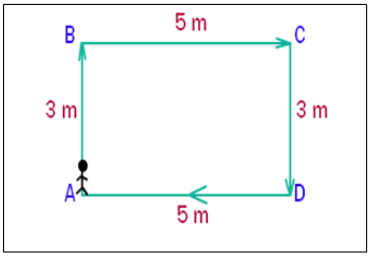
☐ a) 82 meters
☐ b) 18 meters
☐ c) 28 meters

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

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

14. A car drives 84 meters forward. It's displacement and distance would be the same.

☐ a) True
☐ b) False

15. 

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

- ☐ a) 11m
- ☐ b) 3m
- ☐ c) 5m

16. 

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

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

Answer Key

1.	d	5.	b	9.	a	13.	c
2.	b	6.	a	10.	c	14.	a
3.	c	7.	a	11.	a	15.	a
4.	a	8.	c	12.	b	16.	a