Edgenuity

Warm-Up | Introduction to Motion

Lesson Question

Lesson Goals

Describe the _____ of an object.

Explain how an object's _____ is relative to a _____.

Distinguish between _____ and _____.

Words to Know

Fill in this table as you work through the lesson. You may also use the glossary to help you.

	the location or object used for comparison to determine another location
	the careful observation of two or more things to identify similarities and/or differences between them
	the change in position from a reference point
	the amount or measure of something

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Measurement of Distance

- [ ] is a measurement of length.
- [ ] of length or distance include:
  - [ ].
  - feet.
  - [ ].
  - centimeters.

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Slide 2

How to Determine Distance and Location

- When determining [ ] and location, use:
  - standard points to reference other points, called [ ].
  - standard [ ] to determine distance.

Reference Point

A reference point is a distinct [ ] or object that is then compared to another location. When you [ ] objects you carefully observe them to identify similarities and/or differences between them.

- Chosen to make [ ] convenient
- Example— [ ] line for a race

Reference Points in One Dimension

- A reference point is often marked as [ ].
- The standard unit of distance is the [ ].
- Positions to the left of zero are [ ], and positions to the right of zero are [ ].

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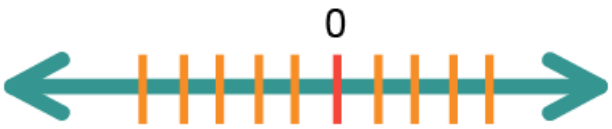
Slide 5

Displacement

- _____ is the change in position from the reference point.

A toy car travels 4 m to the right, and then 6 m to the left.

Use the one-dimensional line below to determine the distance traveled and the displacement.



The distance traveled is _____ m.

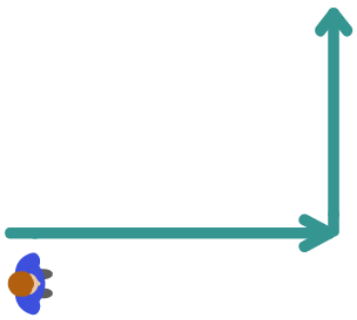
The displacement is _____ m.

Slide 7

Distance and Displacement: Direction

- _____ is how far an object travels.
  - Measurement with _____
- _____ is how far an object is from where it started.
  - Change in position that includes _____

Draw the displacement on the diagram.



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Slide 9

Distance and Displacement: Direction

- Distance can have a [ ] value.
- At the same time, displacement can be [ ].

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Summary | Introduction to Motion

Lesson Question	How is motion recognized?

Answer

2 Review: Key Concepts

- _____ is measured in meters.
- The _____ is needed to describe the position or motion.
- _____ is recognized when the position has changed based on a reference point.
- _____ is the difference between a starting point and an ending point, and includes both measurement and _____.

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Summary | Introduction to Motion

Use this space to write any questions or thoughts about this lesson.

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