

Name: _____ Class: _____

Date: _____

Pre-Activity Worksheet

Robots are useful in conducting scientific investigations

I agree a lot I agree I don't agree or disagree I disagree I disagree a lot

I have fun while I am learning in school

I agree a lot I agree I don't agree or disagree I disagree I disagree a lot

I know how to measure distance traveled and time elapsed to determine an object's speed

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I can identify the units used to measure speed, time, and distance

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I would like to use robots in science and mathematics lessons

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If a ball travels 20 centimeters in a straight line in 5 seconds, what is the ball's speed? Circle one answer below:

- a.) 20 centimeters/second
- b.) 4 centimeters/second
- c.) 4 meters/second
- d.) 1 centimeter/second
- e.) 5 seconds

What is the correct formula to determine the speed of an object?

If a red car is traveling at 10 m/s and a blue car travels 15 meters in 3 seconds, which car is traveling faster?

We need to know two facts about an object's journey to determine its speed. What are they?

Which of the following is a unit of speed?

- a.) meters/kilogram
- b.) centimeters
- c.) meters/minute
- d.) centimeters/meter
- e.) seconds