

# Answer Key with Questions

## Lesson Check: Motion

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1) Fill in the blanks using the available answer choices.

Words such as *above* and *below* describe an object's \_\_\_\_\_.  
(Blank 1)

Blank 1 options

- speed
- position

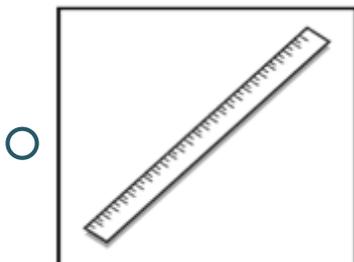
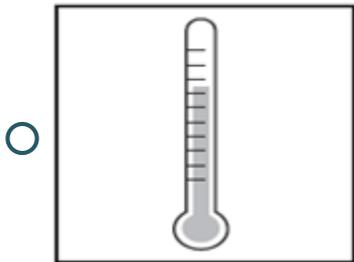
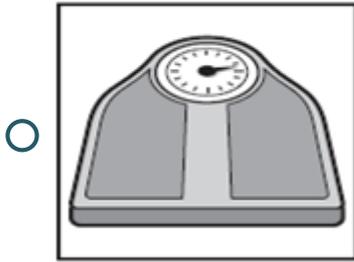
### Correct Answer

position

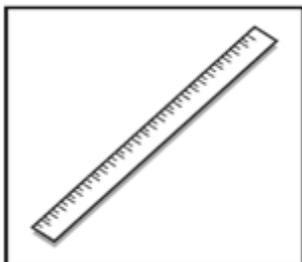
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2) Which object can be used to measure distance?



### Correct Answer

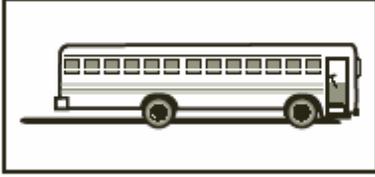


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3) A bus traveled 35 kilometers in one hour. Which is the speed of the bus?



- 70 kilometers per hour
- 35 kilometers per hour
- 25 kilometers per hour
- 10 kilometers per hour

### Correct Answer

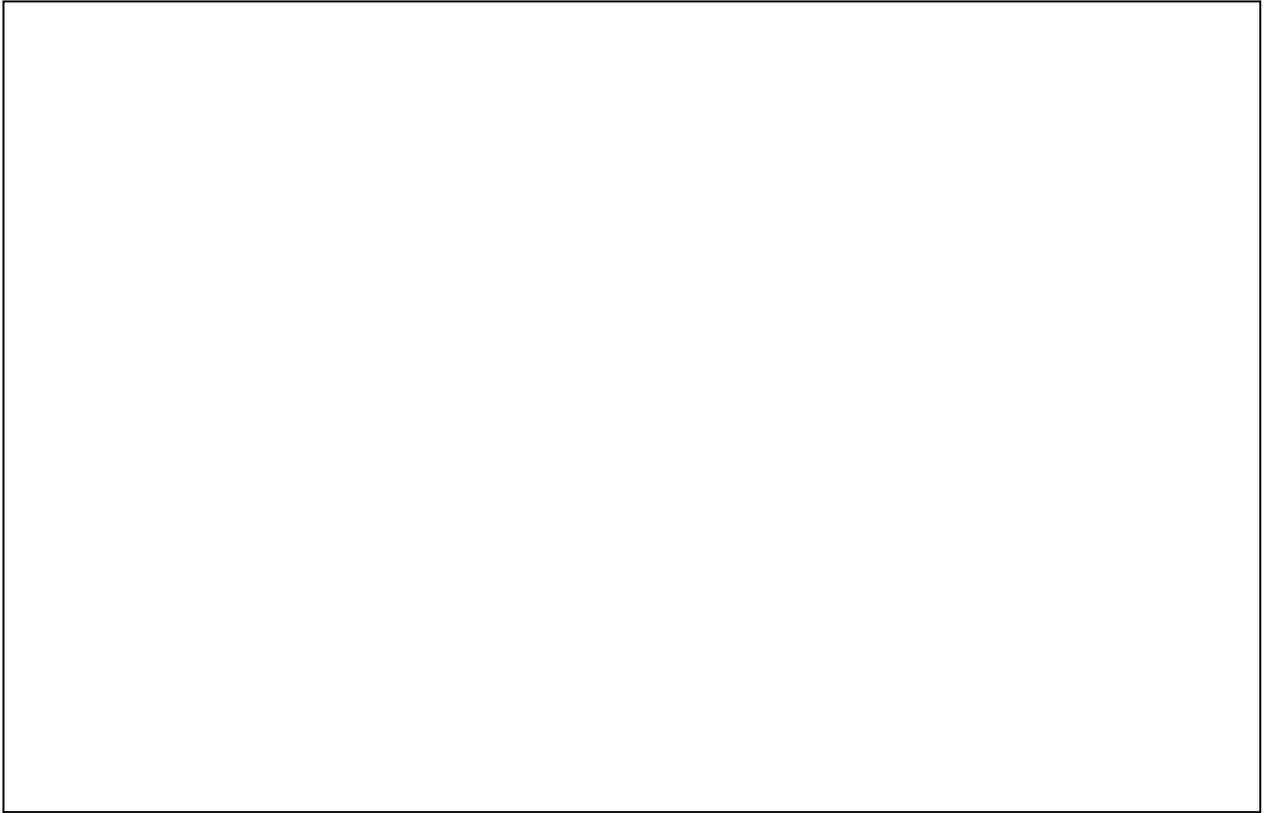
35 kilometers per hour

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**4)** Describe how to find the speed of an object in motion.



### **Correct Answer**

Answers may vary.

### **Explanation**

Sample answer: Speed is how fast an object moves over a certain distance. By using a stopwatch to measure the time it takes an object to move over a known distance, the speed of the object can be determined.

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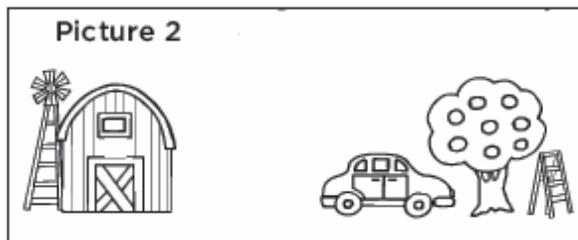
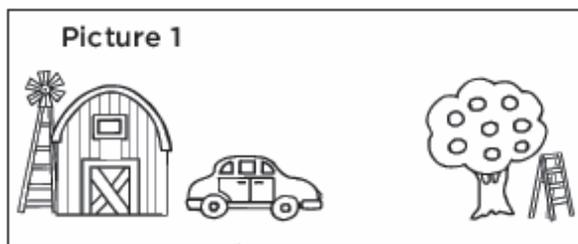
### Lesson Check: Motion

5) The words *forward* and *backward* describe an object's \_\_\_\_\_.

### Correct Answer

direction

6) Which is the new position of the car in picture 2?



- near the barn
- far from the tree
- near the tree
- in the barn

### Correct Answer

near the tree

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**7)** A marble has to roll down a ramp and then travel a distance of 3 m. The ramp's height is supported by 4 books. When the marble rolls down, it travels only 2 meters. How can the ramp be modified to increase the distance the marble travels?

### Correct Answer

Answers may vary.

### Explanation

Sample answer: The student can add more books to the height of the ramp. The higher the ramp, the farther the car will go because of an increase in speed.

**8)** Fill in the blanks using the available answer choices.

\_\_\_\_\_ is the space between two objects and can be measured using a tape  
(Blank 1)  
measure.

#### Blank 1 options

- Distance
- Direction

### Correct Answer

Distance

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9) Motion is the process of changing \_\_\_\_\_.

### Correct Answer

position

10) Fill in the blanks using the available answer choices.

An object is in motion if its location \_\_\_\_\_.  
(Blank 1)

#### Blank 1 options

- stays constant
- changes

### Correct Answer

changes