

Name: _____ Date: _____

Answer Key: Vanish in a Dash! 2nd Grade Speedy Motion Challenge

Demonstrate your ability to track changes in position and describe the swiftness of moving objects in this mid-unit check-in.

1. A ladybug crawls across a leaf. What word describes where the ladybug is at the very beginning?

Answer: B) Position

Position is the specific place where an object is located at any given time.

2. Leo moves from the blue rug to the red chair. How do we know Leo moved?

Answer: A) His position changed

Motion is defined as a change in an object's position relative to a starting point.

3. If a paper airplane travels a long way in a very short time, we say the airplane is moving _____.

Answer: C) Fast

Speed is the measure of how much distance an object covers in a certain amount of time.

4. True or False: A toy car that is zooming across the floor has a higher speed than a toy car that is barely rolling.

Answer: A) True

Zooming implies covering more distance quickly, which means the speed is higher.

5. Sarah and Tim race to the swing set. Sarah gets there in 5 seconds. Tim gets there in 10 seconds. Who was faster?

Answer: C) Sarah

The person who takes less time to finish the same distance is moving at a higher speed.

6. When a marble starts at the top of a ramp and rolls down, it usually _____ as it goes.

Answer: A) Speeds up

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Objects rolling down a slope gain speed (accelerate) because of gravity.

7. True or False: If you walk 5 steps forward and then 5 steps backward, your position is the same as when you started.

Answer: A) True

Since you returned to the exact starting spot, your final position hasn't changed from your initial position.

8. Which of these shows a change in motion?

Answer: B) A bike slowing down to stop

Slowing down is a change in speed, which is a key part of kinematics (acceleration/deceleration).

9. To describe exactly where a pencil is on a desk, you should compare it to a _____.

Answer: B) Reference point

A reference point, like the edge of the desk, helps us describe the position of an object clearly.

10. True or False: You can measure how far an object moved by using a ruler or a measuring tape.

Answer: A) True

Distance and displacement are measured using units of length found on tools like rulers.