

Name: _____ Date: _____

Answer Key: Zippy Zooms: The Great Playground Race for 1st Graders

Perfect for a morning bell-ringer where students help various animals track their zigzagging, sliding, and sprinting movements.

1. Leo the Lion is running to the finish line. If he wants to win the race, what should he do to his speed?

Answer: C) Increase his speed

To go faster and win a race, an object needs to increase its speed to cover more ground in less time.

2. A squirrel can change its position by jumping from a low branch to a high branch.

Answer: A) True

Motion is a change in position; moving from one branch to another means the squirrel has moved.

3. A ladybug crawls 10 inches away from a leaf. The measurement of how far she went is her ____.

Answer: B) Distance

Distance measures how much ground an object has covered while moving from one spot to another.

4. An airplane is flying straight through the clouds. If the pilot turns the plane to the left, what is changing?

Answer: C) The plane's direction

Direction describes the path an object takes, such as left, right, up, or down.

5. If a turtle and a rabbit both start at the same tree, why does the rabbit reach the carrot first?

Answer: B) The rabbit has a higher speed

Speed tells us how fast something moves; a higher speed means reaching a goal in less time.

6. When a train arrives at the station, it must ____ down to a stop.

Answer: B) Slow

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Slowing down is a change in motion where the object's speed decreases until it reaches zero.

7. A ball rolling down a steep hill will usually speed up.

Answer: A) True

Gravity pulls the ball down, causing its speed to increase as it moves down the slope.

8. Which of these is the best way to describe an object that is NOT moving?

Answer: A) It is at rest

In physics, being 'at rest' means the object's position is not changing over time.

9. A swing on a playground moves in a ____ motion.

Answer: B) Back-and-forth

Swings follow a repeating back-and-forth path, which is a specific type of motion pattern.

10. Velocity is just a fancy word that means both how fast you go and which way you are heading.

Answer: A) True

Velocity combines speed and direction, like saying '5 miles per hour toward the park.'