

## Instructions

In this worksheet, you will explore how to measure speed accurately through experiments and calculations. Follow the questions and complete the tasks to enhance your understanding of speed.

### 1. Define Speed

What is speed? Provide a short definition in your own words.

### 2. Speed Formula

The formula for speed is:

$$\text{Speed} = \text{Distance} / \text{Time}$$

Fill in the blanks with a distance (in meters) and a time (in seconds) to find the speed.

- Distance:

- Time:

Now, calculate the speed. Show your calculation:

### 3. Measuring Speed Experiment

Design an experiment to measure the speed of a moving object (like a toy car or a ball). List the materials you will need and the steps you will follow.

#### Materials:

#### Steps:

### 4. Observations

After conducting your experiment, what were your observations? Write down any interesting results.

### 5. Reflecting on Accuracy

What factors could affect the accuracy of your speed measurement? List at least three.