

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.