

AVERAGE SPEED

Subject

Mathematics

Prepared By

[Instructor Name]

Grade Level

4

Overview

This lesson plan covers teaching content for;

1. Average speed

Objectives

Students should be able to;

1. Calculate the average speed of a moving object.

Activity Starter/Instruction

1. Ask the pupils what they understand by speed.
2. Correct them where necessary.
3. Ask the pupils if they know when an object is in motion.
4. Explain that an object can be in motion or at rest

Guided Practice

Day 2/ Lesson 2: 15 Mins

1. Go over the previous lesson.
2. Explain what speed is to the pupils.
3. Explain the relationship between speed, distance and time.
4. Show them the formula for calculating speed. $S = d/t$

Teacher Guide

Day 1/ Lesson 1: 15 Mins

1. Explain again that an object is in motion if it changes position relative to a reference point.
2. Let them know that the unit of speed is Meter/second.
3. Explain what distance is to the pupils.
4. Use examples they can relate to e.g. Distance of their houses from school

Guided Practice

Day 3/ Lesson 3: 15 Mins

1. Ask pupils to observe each other walking and explain what motion is.
2. Divide the pupils into groups.
3. Let all pupils in the group walk the three meters' track from the starting line to the end and back.

Materials Required

-A stop watches.

Additional Resources

- <https://www.wikihow.com/Calculate-Average-Speed>
- <https://study.com/academy/lesson/average-speed-velocity.html>
- <https://www.cpalms.org/Public/PreviewResourceLesson>
- <https://www.brighthubeducation.com/lesson-plans-g/teaching-the-speed-formula-includes-worksheet-and->
- <https://www.toppr.com/guides/quantitative-aptitude/speed/>

Additional Notes

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4. Each pupil will record his/her time and distance from the start line to the end and back.
 5. Let each pupil calculate his/her speed.

Guided Practice

Day 4/ Lesson 4: 15 Mins

1. Go over each pupil's work from the previous lesson.
2. Explain what average speed is to the pupils.
3. From the results gotten, explain how to calculate the average speed of the class.
4. Go over what each pupil comes up with and correct them where necessary.
5. Solve more examples with the pupils for better understanding.

Assessment Activity

Give them problems on average speed to solve

Assessment Activity

Assess the pupils on:

1. The relationship between speed, distance and time.
2. The difference between speed and average speed.

Summary

2. Ask for volunteers to share their answers to the problems assigned.
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3. As the problems are reviewed in front of the class, have the students check their answers for accuracy.
