Post-test (After the Lesson)

This test is designed to check whether students have mastered the skills of interpretation and analysis and are able to distinguish between uniform and non-uniform motion after the lesson.

Task 1.

Based on the graph showing the relationship between distance and time s(t), write down how to **calculate the speed** of a moving body.

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Task 2.

Answer the questions.

1. How does the frequency of time and distance measurements affect the accuracy of determining the speed?

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2. How does the frequency of time and distance measurements affect the shape of the graph?

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Task 3.

Give two examples of situations from everyday life in which motion is not uniform. Explain why.

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Task 4.

Based on the information from the lesson, **describe the difference between uniform and non-uniform motion**.

Note: you may refer to the concept of acceleration.

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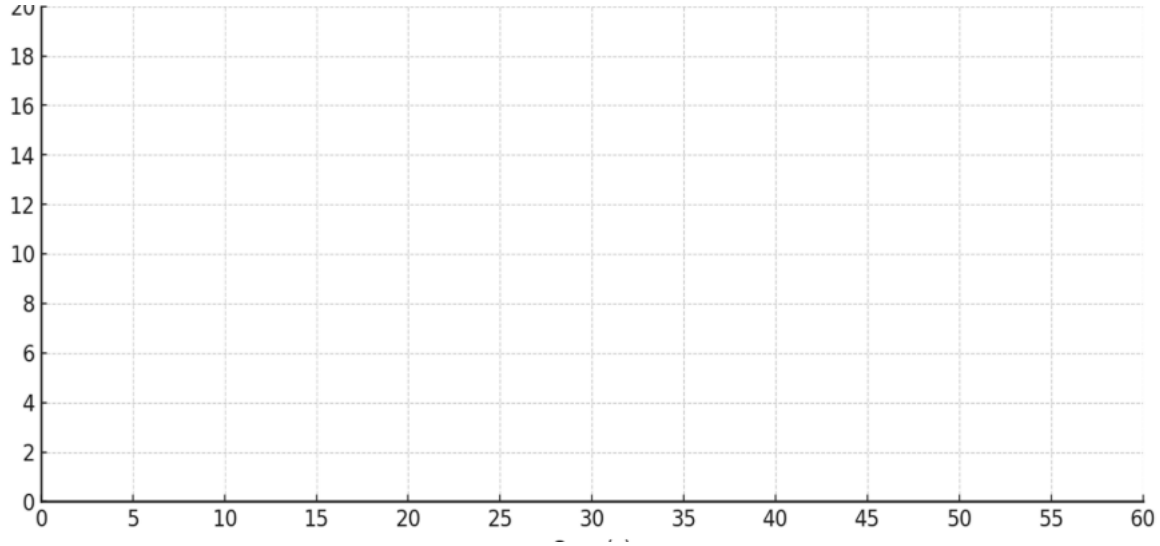
Task 5.

Draw a sketch of the graph showing the relationship between velocity and time v(t) for uniform linear motion.



Describe the most important feature of this graph.

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