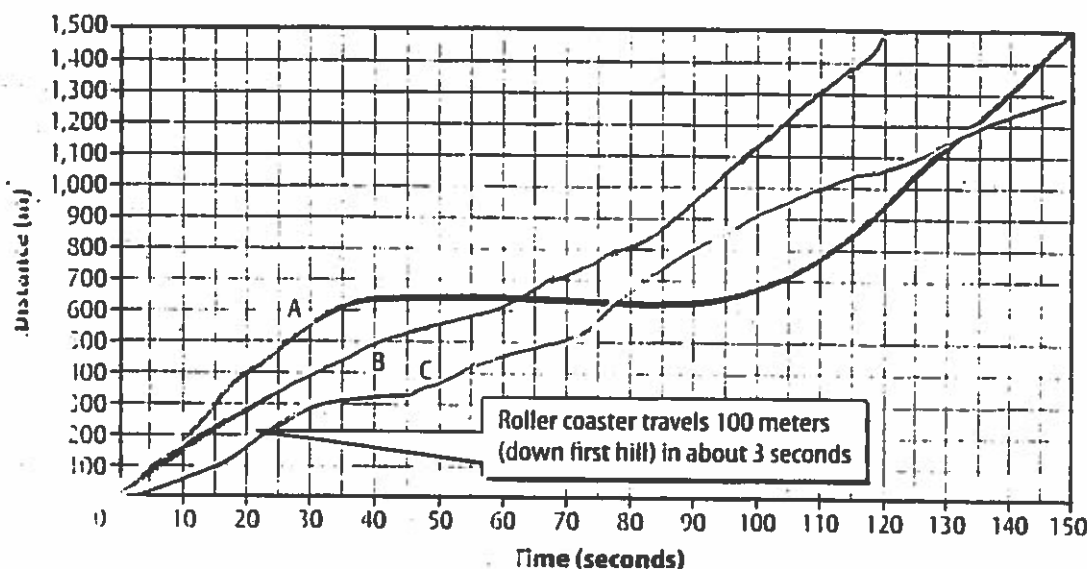


Key Concept Builder

LESSON 2

Speed and Velocity

Key Concept How can you use a distance-time graph to calculate average speed?



Directions: The distance-time graph above shows the varying speeds of a car, a train that stops at a station, and a roller coaster. Use the diagram to answer each question.

1. What is the average speed of the train (line A) in meters per second?

2. What is the car's average speed (line B) in meters per second?

3. What is the approximate maximum speed of the roller-coaster ride (line C) in meters per second? _____

4. What is the roller-coaster ride's average speed in meters per second?

5. About how long does the train sit at the station? _____