

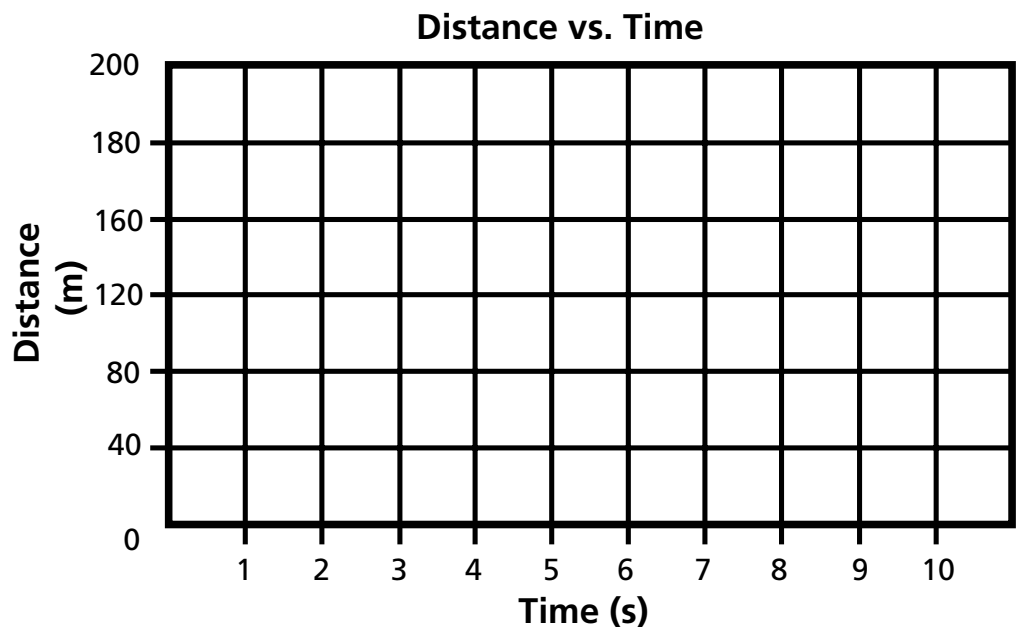
## Distance-Time Graphs

The distance traveled by an object in a period of time often is expressed using a line graph. A line graph visually conveys information using sets of data points.

1. Copy the blank graph below on your paper. Complete the graph by plotting the given data points on the graph. Each set of data points represents (time, distance). Note that time is measured in seconds and distance is measured in meters. Connect the plotted points with a straight line.

Data points: (0, 0), (2, 40), (4, 80), (6, 120), (8, 160), (10, 200)

2. Describe the motion shown on the graph.



### ANSWERS

1. Student graphs should show correctly plotted data points that are connected by a straight line.
2. Possible answers include that the object is traveling at a constant speed and/or that the object traveled 200 meters in 10 seconds.