Distance- Time Graphs **Date:**

Warm up:

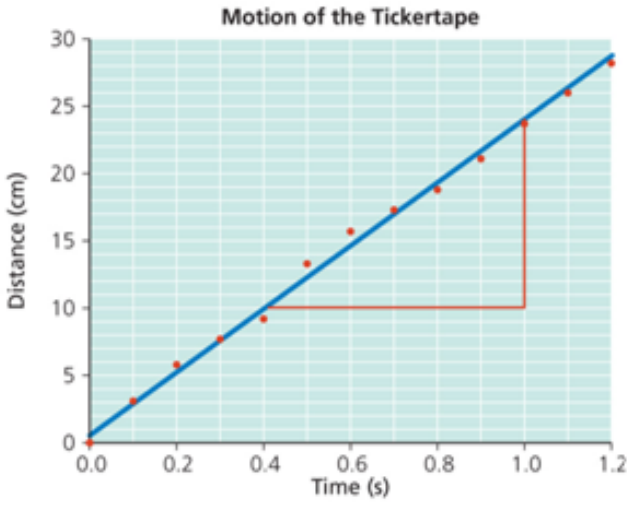
Study Notes/Questions

Graphing Distance and Time

A distance–time graph has distance on the _____ and time on the _____axis.

The _____of a line on a distance–time graph is equal to _____.

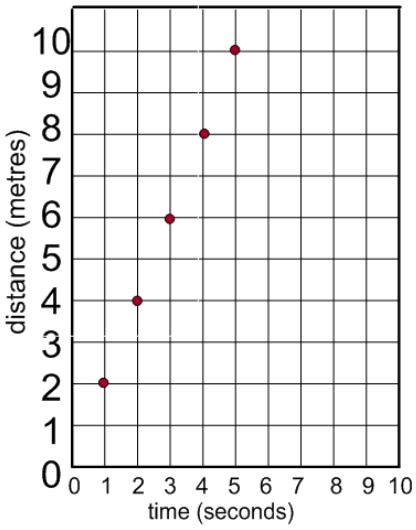
The _____ would be metres/second (m/s), the same as _____.



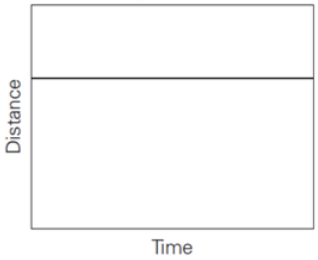
Graphing Constant Speed

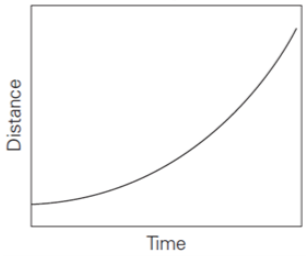
If an object is moving at constant speed of 2 m/s it travels 2 m each second, for as long as it is in motion

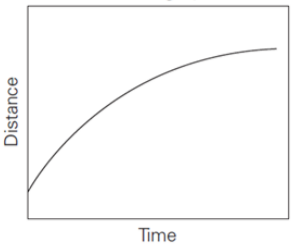
The result is a _____



What kind of motion is this?







Distance - Time Graphs

tudy Notes/Questions

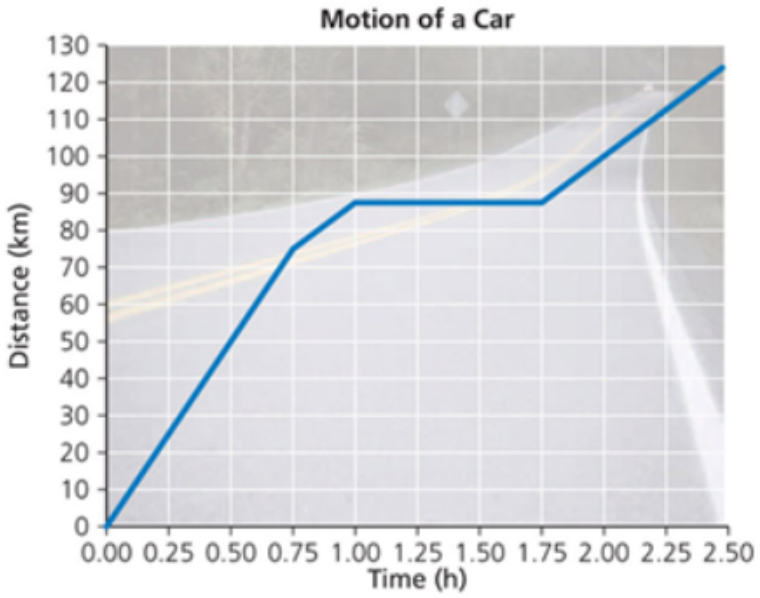
Using Distance-Time Graphs

We can also study the graph to find out more details about the motion recorded.

This graph shows motion of a car over a _____

By noticing the changes in _____we can describe the _____.

We can find the instantaneous speed at any time, find out how long it stopped or calculate the average speed for the whole 2.5 hours



Determine the speed between 0 and 45 min	How long did the car stop for?	What was average speed for the whole 2.5 hours?

Summary: (two to three sentences summarizing this section)

Self-Reflection Questions:	1. Describe one thing that you knew about this topic before today.	2. Describe one thing you learned about this topic today.