Strand: **Algebra** **Name:_____**

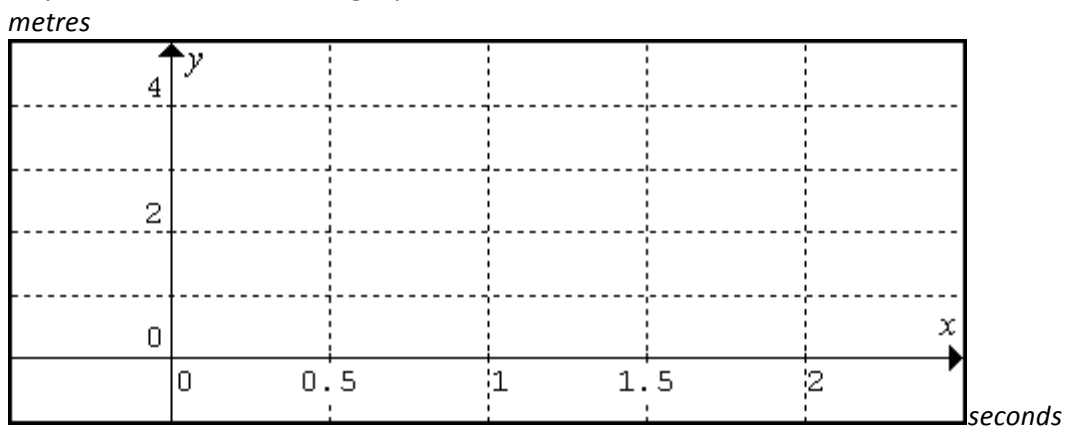Skill Addressed: Understanding Ratio **Blk: ___**

Activity: *Slope, Units and Rates of Change – Part B*

Here is a different type of graph that shows the results of an experiment in a physics lab. A toy car is timed as it reaches each metre along a very long track. The time and distance is recorded.

Data:

Time (seconds)	0.5	1	1.5	2
Distance (metres)	1	2	3	4

Represent the data as a graph:

metres

seconds

In this case, what is the slope? _____

What does the slope mean?

Think about it and answer carefully!

The slope is in which units? _____ per _____ {hint: think "rise over run"}

Does the slope change? _____ Explain_____

_____

If the slope is not changing, what is that saying about what is happening to the car?

Think about it and answer carefully! _____

_____

_____

_____

Connected Math Activities: © **Lorraine M Baron, 2016**