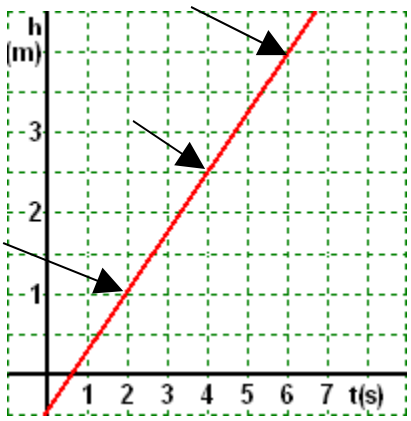
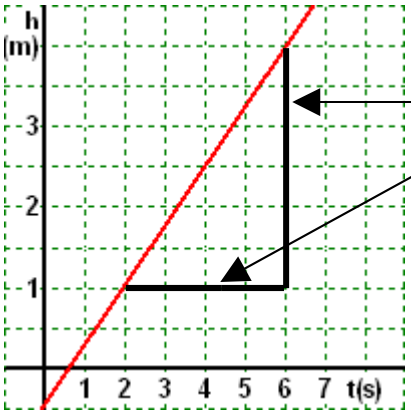
Finding the Slope



The big difference from Math is units must be used in the calculations.
To find the slope we want to find two points on the line as **far apart as possible**. The points should be where the line crosses two grid lines.
In this case the two points we will use is (2,1) and (6,4).



Draw a triangle with the points as the ends of the triangle and **show the calculations for the slope with units**!!

Rise = 4.0 m – 1.0 m = 3.0 m

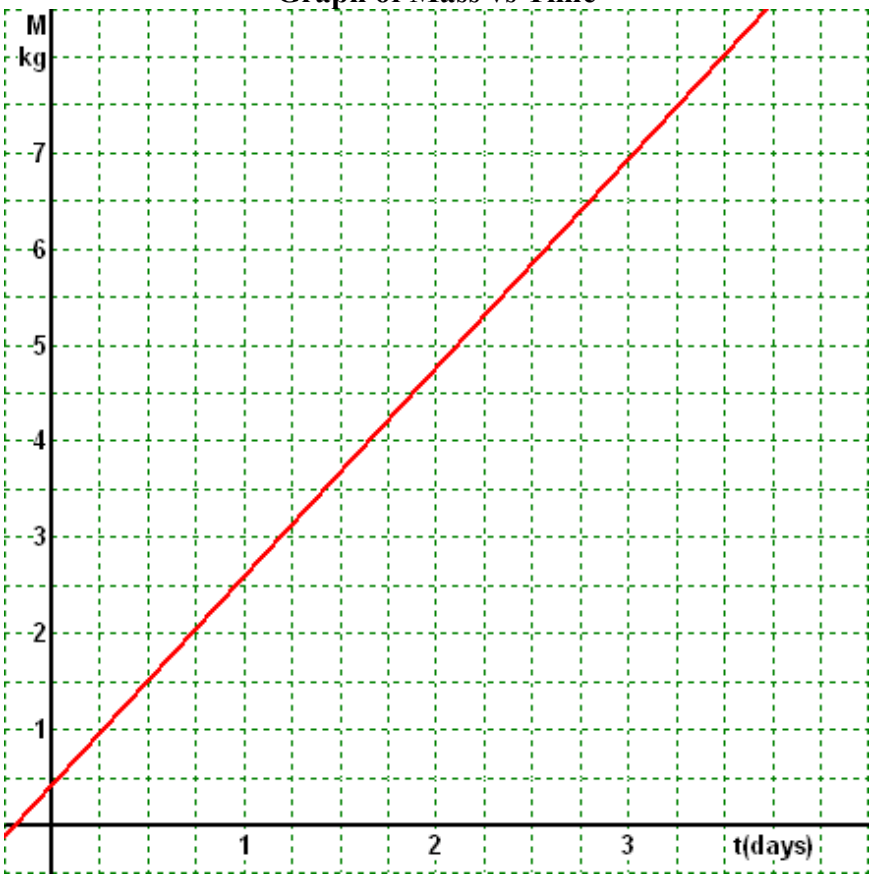
Run = 6.0 s – 2.0 s = 4.0 s

Slope = $\frac{\text{Rise}}{\text{Run}} = \frac{3.0\text{ m}}{4.0\text{ s}} = 0.75$ m/s

And then make a statement,
The Slope is 0.75 m/s

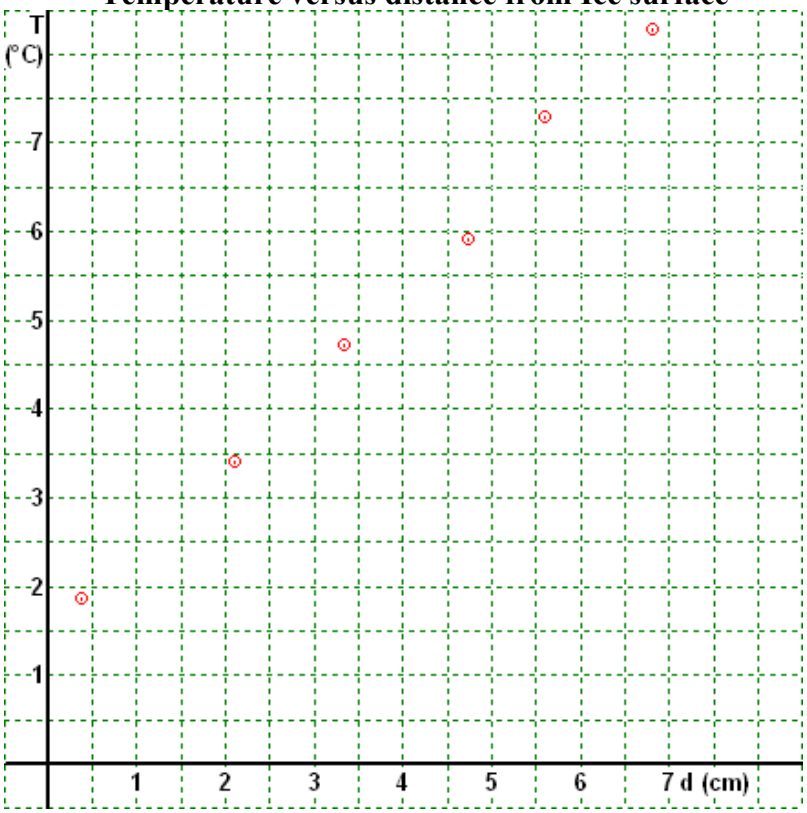
1) Use the above method to find the slope of the line below

Graph of Mass vs Time



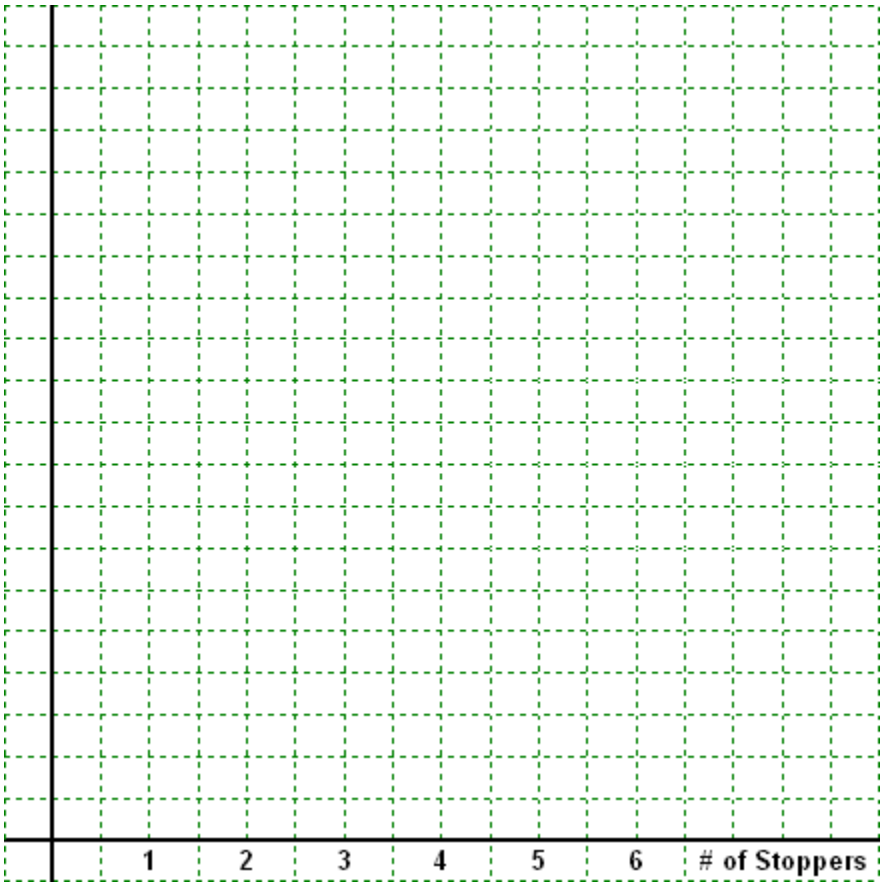
2) Draw line of best fit and find slope.

Temperature versus distance from Ice surface



3)Plot the following data and find the slope.

Title: _____



# of stoppers	Mass (g)
1	3.6
2	7.3
4	14.5
5	17.8
7	25.5