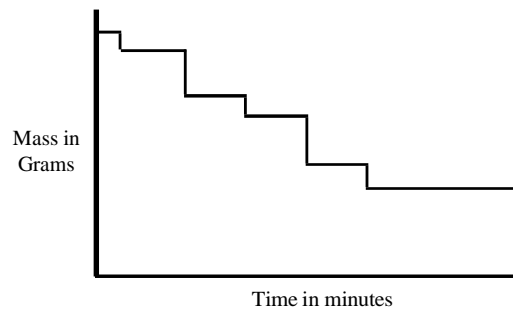


Name: _____ Date: _____

Vincent's Graphs

Vincent is eating a packet of raisins.

This graph shows the changes in the mass of raisins in the packet as time passes.



1.a. What might Vincent be doing when there is a vertical line on the graph?

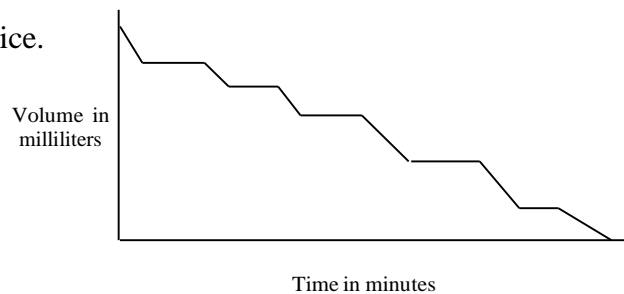
b. Why are the vertical lines of different lengths?

c. Did Vincent eat all the raisins? _____

Explain how you know.

2. Ellie is drinking with a straw from a box of fruit juice.

The graph shows the volume of juice in the box as time passes.

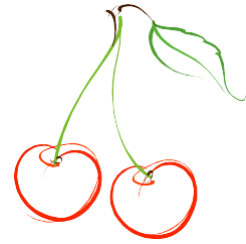


a. What is happening when the line on the graph is horizontal?

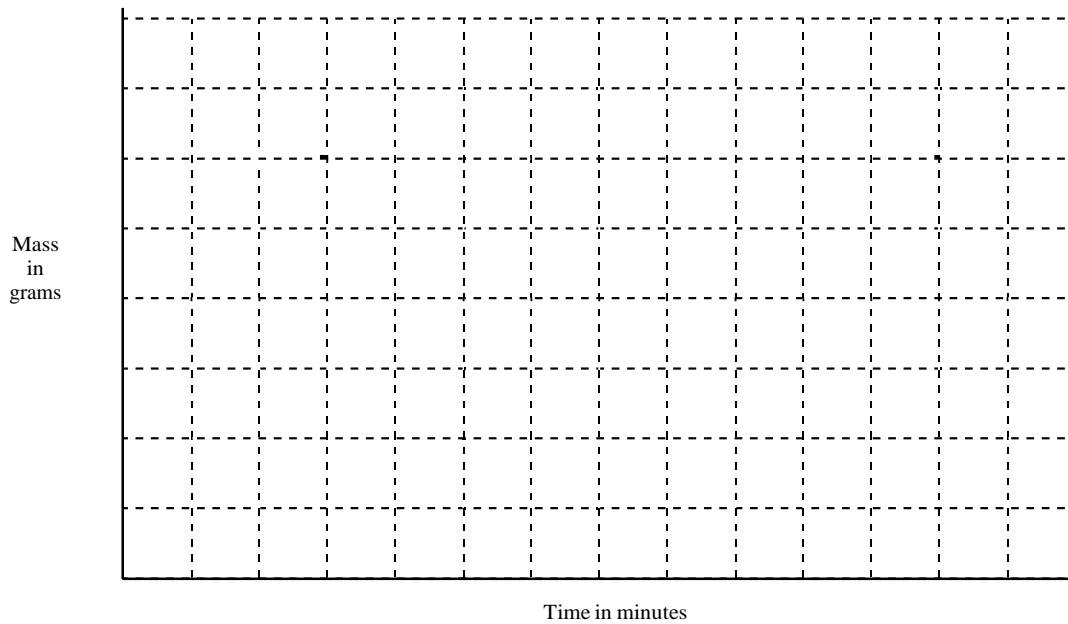
b. Why do the lines going downwards on this graph go at an angle?

3. Ralph is eating cherries from a bag.

After eating a cherry he puts the pit back into the bag before taking out the next cherry.



On the grid draw a graph to show the changes in the mass of the bag of cherries as time passes.



Vincent's Graphs	Rubric	
<p>The core elements of performance required by this task are:</p> <ul style="list-style-type: none"> • interpreting graphs • drawing graphs <p>Based on these, credit for specific aspects of performance should be assigned as follows</p>	points	section points
<p>1. a. Gives correct answer such as: he is taking raisins out of the packet.</p> <p>b. Gives correct answer such as: he takes different numbers of raisins from the packet.</p> <p>c. Gives correct answer: No and a correct explanation such as: the line does not reach the x axis.</p>	1 1 1	3
<p>2. a. Gives correct answer such as: Ellie is not drinking.</p> <p>b. Shows correct work such as: the volume decreases steadily as the juice is sucked out.</p>	1 1	2
<p>3. Draws a correct graph: First a short horizontal line Followed by a short line downwards. A short horizontal line followed by a short line upwards. The line upwards should be shorter than the first line downwards.</p>	1 1 1	3
Total Points		8