

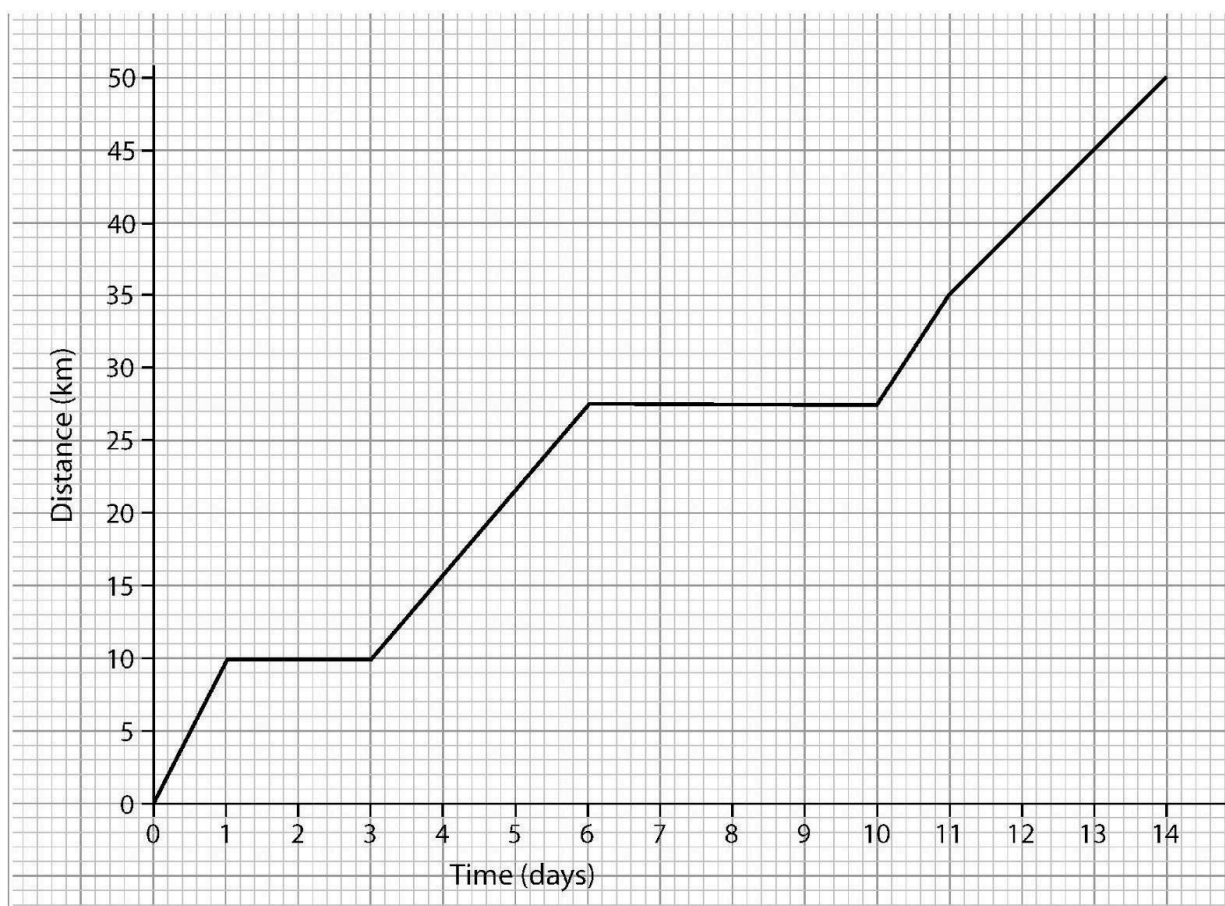
Motion Graphs Formative Task

ATL(s) being taught and assessed:

Thinking - Creative - Apply existing knowledge to generate new ideas or processes (with a focus on motion graphs)

Task

The distance–time graph below shows a sailing boat's journey:



1. Write a story as if you were on the sailing boat from the graph above to describe your fourteen-day journey. Include what happens in each of the six sections shown on the graph.
2. Draw the velocity-time graph for this journey (with correct axis) and insert it below. Consider if logger pro is the best tool as each straight line on the first graph represents a constant velocity. Google draw might be better, or hand drawn and a photo uploaded.

Formative assessment criteria:

Not there yet	Meeting expectations	Beyond expectations
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	<ul style="list-style-type: none"> - Gradients on distance time graph calculated correctly - Story in task 1 matches speeds from the distance-time graph - X and y axis on second graph are correctly labelled - Correct shape of second graph 	
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