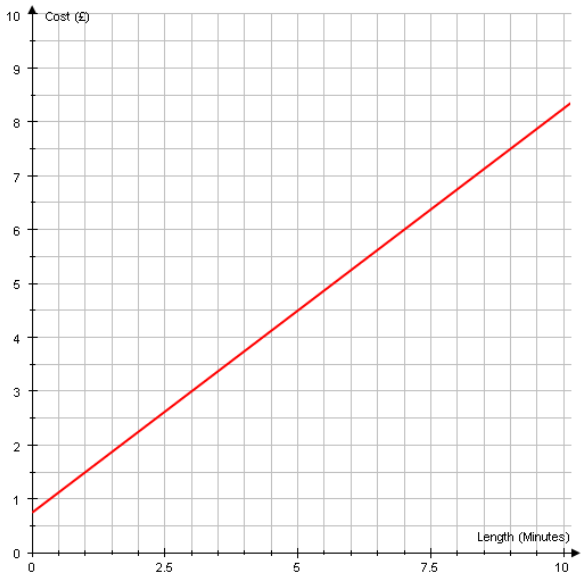
REAL LIFE GRAPHS

Name:

Assessment Criteria: Construct functions arising from real-life problems and plot their corresponding graphs; interpret graphs arising from real life situations

1. The graph below shows the cost of a phone call depending on the length of the phone call in minutes. Use the graph to work out:



a) the cost of a 5 minute phone call

£_____

b) how long you can talk for £5

_____minutes

c) Why does the graph not start at the origin?

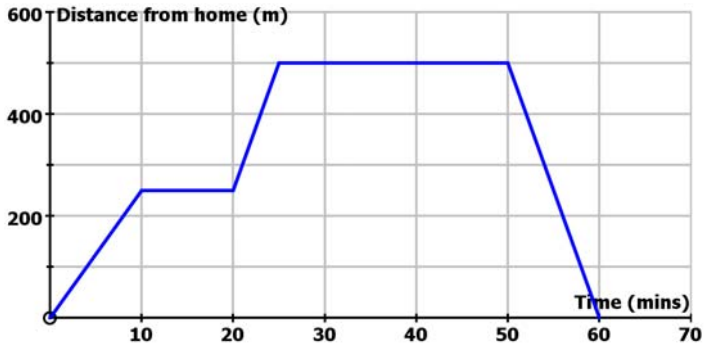
_____

_____

d) Write down a formula connecting the cost (C) of a phone call and the length of the phone call in minutes (m)

_____

2. Hannah's journey to the park is shown below. She calls for her friend, Emma, on the way to the park.



a) Hannah left her house at 10.25 a.m. At what time did she arrive at Emma's house?

_____

b) How long did they spend at the park?

_____

c) The graph clearly shows that the journey home from the park is downhill. Do you agree with this statement? Give reasons for your answer.

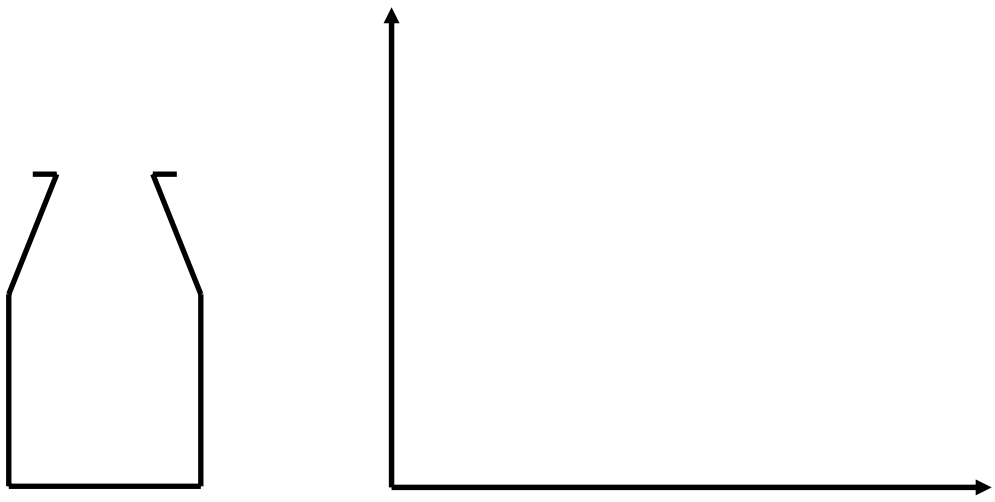
_____

_____

_____

_____

3. Sketch a graph of the depth of water against time when water drips steadily from a tap into this bottle:



Overall, I think my success level is:	Low ○ ○ ○ ○ High

Q	REAL LIFE GRAPHS	☺	☹
	I can interpret linear graphs		
	I can interpret distance time graphs		
	I can draw graphs arising from real life situations		
	I can interpret, discuss and synthesise information presented in a variety of mathematical forms		

I need to practise …