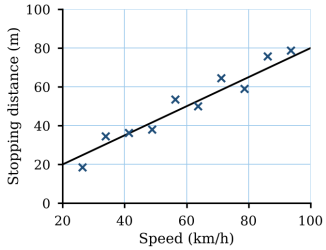
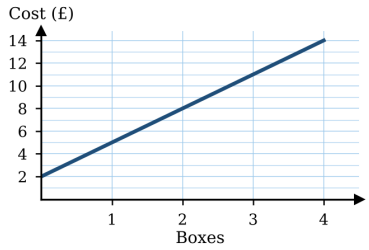
Day 95	B Tier 10-a-day
1 Here are the amounts needed to make flapjacks for 8 people. 240 g of butter, 360 g of oats Work out the amounts needed to make flapjacks for 5 people.	
2 Write 2734.3871 (a) correct to 1 decimal place, (b) correct to 2 significant figures.	
3 On a map, 1 cm represents 4 km. Two towns are 3 cm apart on the map. (a) Work out the real distance between the towns. (b) Write the scale of the map in the form 1 : n.	
4 The scatter graph shows information about speed and stopping distance. A line of best fit is drawn. (a) Describe the correlation. (b) Use the line of best fit to estimate the stopping distance when speed is 60.  	
5 Make n the subject of the formula C = 5n − 1	

Day 95 **B Tier 10-a-day**

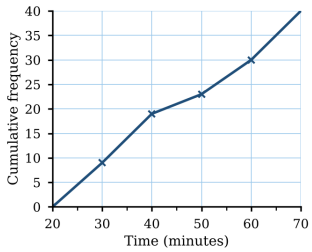
6 A triangle has sides of length 10 cm, 24 cm and 26 cm.
Is the triangle right-angled?
You must show your working.

7 Work out $(3.9 \times 10^6) + (4.5 \times 10^6)$
Give your answer in standard form.

8 A printing company charges a set-up fee plus a cost for each box of leaflets.
The graph shows the total cost.
(a) Write down the fixed charge.
(b) Work out the cost for each box.



9 The cumulative frequency graph shows the times taken by 40 students to complete a puzzle.
(a) Use the graph to estimate the median.
(b) Work out an estimate for the interquartile range.



10 Triangle PQR is isosceles with PQ = PR = 6 cm. (Calculator)
The base QR = 8 cm.
Work out the size of angle PQR.
Give your answer correct to 1 decimal place.