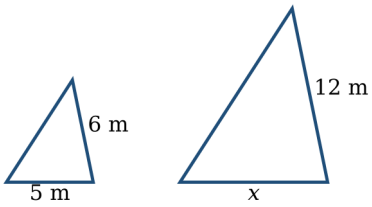
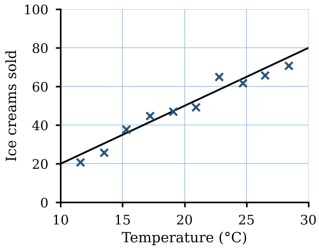
Day 116	B Tier 10-a-day
1 Here are the amounts needed to make a fruit crumble for 4 people. 160 g of flour, 100 g of butter Work out the amounts needed to make a fruit crumble for 3 people.	
2 Does the point (7, −11) lie on the line $y = -2x + 4$? You must show your working.	
3 The two triangles are similar. (a) Write down the scale factor of the enlargement from the smaller triangle to the larger triangle. (b) Work out the value of x. The diagram is not drawn accurately. 	
4 Simplify fully (a) $2x^4 \times 6x^2$ (b) $18p^5 \div 3p^2$	
5 Work out $3\frac{1}{6} - 1\frac{5}{6}$ Give your answer as a mixed number.	

Day 116	B Tier 10-a-day
6 The scatter graph shows information about temperature and ice creams sold. A line of best fit is drawn. (a) Describe the correlation. (b) Use the line of best fit to estimate the ice creams sold when temperature is 25.  	
7 (a) Jasmine scores 30 out of 50 in a quiz. Write this as a percentage. (b) Write £1 as a percentage of £10.	
8 In triangle ABC, AB = 18 m, BC = 5 m and angle ABC = 55°. (Calculator) Work out the area of the triangle. Give your answer correct to 1 decimal place.	
9 A bag contains 4 mint sweets and 2 toffee sweets. Tara takes one at random and does not replace it, then takes a second. Work out the probability that both are mint.	
10 A theme park sells adult tickets and child tickets. 2 adult tickets and 3 child tickets cost £45. 3 adult tickets and 3 child tickets cost £60. Work out the cost of one adult ticket and the cost of one child ticket.	