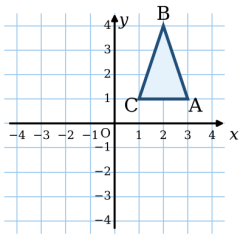
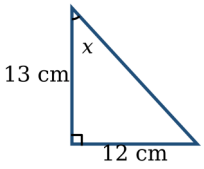
Day 53	B Tier 10-a-day
1 f(x) = 6x − 5 (a) Work out f(7) (b) Solve f(x) = 25	
2 Here are the numbers of runs scored by a batter. 27, 7, 20, 4, 30, 9, 24, 14, 31 (a) Find the median. (b) Work out the range.	
3 How many lines of symmetry does a rhombus have?	
4 Here are Kira's and Harry's scores in a game. Kira: 67, 62, 53, 55, 47 Harry: 55, 55, 53, 56, 59 Compare their results using the mean and the range.	
5 The diagram shows triangle ABC on a grid. (a) Write down the coordinates of the image of C after a reflection in the line x = 2. (b) Write down the coordinates of the image of A after a reflection in the y-axis. 	

Day 53	B Tier 10-a-day
6 M is the midpoint of AB. A is the point $(-5, 7)$ and M is the point $(-3, 3)$. Find the coordinates of B.	
7 Work out (a) $\frac{4}{5} + \frac{1}{12}$ (b) $\frac{5}{6} - \frac{5}{9}$ Give each answer in its simplest form.	
8 Work out the size of angle x. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately. 	
9 (a) Write $\frac{3}{20}$ as a decimal. (b) Write $\frac{2}{3}$ as a recurring decimal. For part (b), write down the first 8 decimal places and say which digits repeat.	
10 A crate exerts a force of 30 newtons on the floor. The area in contact with the floor is 10 m^2. Work out the pressure on the floor. Give your answer in N/m^2.	