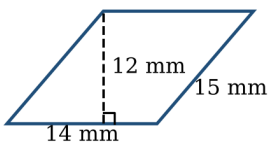
Day 8	B Tier 10-a-day
1 How many lines of symmetry does a scalene triangle have?	
2 Solve $4x - 8 = 2x + 4$	
3 A boat travels on a bearing of 040°. It then turns right through 70° and continues in a straight line. Work out the new bearing.	
4 Expand and simplify $(x - 4)^2$	
5 Find the area of the parallelogram. The diagram is not drawn accurately.  	

Day 8	B Tier 10-a-day
6 The population of a town is 20,000. (Calculator) It increases by 8% each year. Work out the population after 2 years. Give your answer to the nearest whole number.	
7 Sam and Gita share some money in the ratio 8 : 1. Sam gets £105 more than Gita. How much money does Sam get?	
8 (a) Change 0.1 m to cm. (b) Change 2800 g to kg.	
9 A bag contains 5 green beads and 2 yellow beads. Maya takes one at random and does not replace it, then takes a second. Work out the probability that both are green.	
10 A fuel tank is $\frac{1}{2}$ full. 27 litres of fuel are added. The fuel tank is now $\frac{3}{5}$ full. Work out the capacity of the fuel tank.	