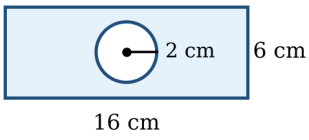
Day 184	B Tier 10-a-day
1 (a) Convert 6 tonnes to kg. (b) Convert 5 litres to cm^3.	
2 Here are four digit cards. 5 4 8 1 Use all four cards to make the largest possible even number.	
3 What is the order of rotational symmetry of an equilateral triangle?	
4 Estimate the value of $\frac{5.18 \times 8.98}{1.94}$ Show your rounding to 1 significant figure.	
5 3 rulers cost £1.95. Work out the cost of 12 rulers.	

Day 184	B Tier 10-a-day
6 Write as a single fraction $\frac{x}{5} + \frac{x}{3}$	
7 A spacecraft travels at 7×10^5 km per hour. It travels for 1.9×10^2 hours at this speed. Work out how far it travels. Give your answer in standard form.	
8 A shop sells pens and pencils. All pens cost the same and all pencils cost the same. 2 pens and 3 pencils cost 330p. 1 pen and 3 pencils cost 225p. Work out the cost of one pen and the cost of one pencil.	
9 The diagram shows a rectangle 16 cm by 6 cm with a circle of radius 2 cm cut out. The circle is in the centre of the rectangle. Work out the area of the shaded region. Give your answer in terms of π. The diagram is not drawn accurately. 	
10 The probability that Amy is late for school on any day is 0.8. The probability that Ben is late on any day is 0.2. Whether each is late is independent of the other. Work out the probability that at least one of them is late on Monday.	