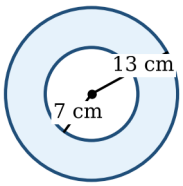
Day 51	B Tier 10-a-day
1 Simplify $5p + 8q - 6p - 6q$	
2 A regular polygon has 18 sides. (a) Work out the size of one exterior angle. (b) Work out the size of one interior angle.	
3 Aisha, Zain and Amy share 168 marbles in the ratio 2 : 5 : 5. Work out how many Aisha gets.	
4 Here is a list of numbers. 10, 76, 53, 41, 4, 59, 70, 51 From the list, write down (a) a multiple of 7 (b) an odd number that is not prime	
5 Solve $2(2x + 3) = 26$	

Day 51	B Tier 10-a-day
6 A fair 6-sided dice and a fair 8-sided dice are each rolled once. Each dice is numbered from 1. Work out the probability that both dice show a number greater than 2.	
7 The point $(-4, k)$ lies on the line $y = -x + 3$ Work out the value of k.	
8 The diagram shows two circles with the same centre. The radius of the larger circle is 13 cm. The radius of the smaller circle is 7 cm. Work out the area of the shaded region. Give your answer in terms of π. The diagram is not drawn accurately. 	
9 9 rulers cost £5.40. Work out the cost of 7 rulers.	
10 Estimate the value of $\frac{3.79}{3.79} + 3.96$ Show your rounding to 1 significant figure.	