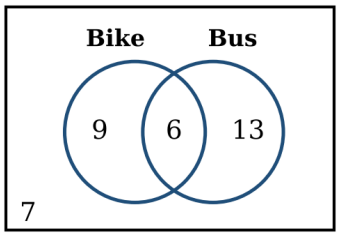
Day 358	B Tier 10-a-day
1 (a) Convert 2 m to mm. (b) Convert 500 mm^2 to cm^2.	
2 Here are the first four terms of a sequence. 3, 6, 12, 21 (a) Write down the next two terms. (b) Describe the rule for continuing the sequence.	
3 Here are the number of customers at a shop each day. 35, 40, 45, 22, 31, 25 (a) Find the median. (b) Work out the range.	
4 The first term of a sequence is 2. The term-to-term rule is: double the term, then add 1. Work out the 5th term.	
5 A is the point (4, 3) and B is the point (1, 7). (a) Work out the coordinates of the midpoint of AB. (b) Work out the length of AB.	

Day 358	B Tier 10-a-day
6 Find the (a) highest common factor (HCF), (b) lowest common multiple (LCM) of 60 and 36.	
7 A shape is made from a rectangle and a semicircle. (Calculator) The rectangle is 6 cm wide and 6 cm high. The diameter of the semicircle is 6 cm. (a) Work out the area of the shape. (b) Work out the perimeter of the shape. Give each answer correct to 1 decimal place.	
8 The Venn diagram shows information about 35 workers in an office. One of them is chosen at random. Find the probability that the person chose Bike or Bus or both. 	
9 The length of a rectangle is 23 cm and its width is 14 cm. Both measurements are correct to the nearest cm. Work out the lower bound for the area of the rectangle.	
10 A straight line has equation $y = -x + 3$ (a) Write down the coordinates of the point where the line crosses the y-axis. (b) Work out the coordinates of the point where the line crosses the x-axis.	