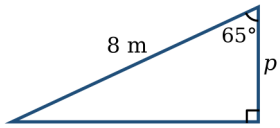
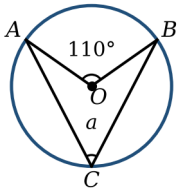
Day 340	B Tier 10-a-day
1 Electricity costs 30p per unit. There is also a standing charge of £8. Work out the total bill for 200 units.	
2 A is the point (2, −3) and B is the point (14, −19). (a) Work out the coordinates of the midpoint of AB. (b) Work out the length of AB.	
3 A jug holds 2.75 litres of juice. Each glass holds 250 ml. How many glasses can be filled from the jug?	
4 Find the length of p. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately. 	
5 A straight line has equation y = −3x − 5 (a) Write down the gradient of the line. (b) Write down the equation of a line that is parallel to this line and passes through the point (0, 1).	

Day 340	B Tier 10-a-day
6 The number of members of a club goes from 300 to 330. Work out the percentage increase.	
7 A straight line has gradient -2 and passes through the point (4, 8). Find the equation of the line.	
8 In a test, the mean mark of 10 Class A is 69. The mean mark of 5 Class B is 51. Work out the mean mark of all 15 students.	
9 A, B and C are points on a circle, centre O. Angle AOB = 110°. Work out the size of angle ACB, marked a. Give a reason for your answer. The diagram is not drawn accurately. 	
10 Solve $a - 7 = 27$	