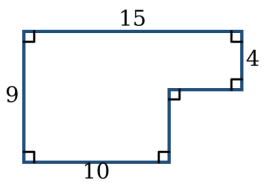
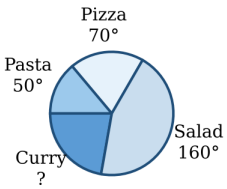
Day 249	B Tier 10-a-day
1 Solve $3p = 9$	
2 Write down all the common factors of 8 and 18.	
3 The area of a circle is 49π cm^2. Work out the radius of the circle.	
4 Solve $\frac{5x + 13}{3} = 6$	
5 The diagram shows the shape of a patio. All the corners are right angles. All lengths are in cm. (a) Work out the perimeter. (b) Work out the area. 	

Day 249	B Tier 10-a-day
6 A is the point $(-3, -1)$ and B is the point $(9, -7)$. Find the coordinates of the midpoint of AB.	
7 20 deer in a lake are caught, tagged and returned to the lake. Later, a sample of 60 deer is caught and 12 of them are tagged. Estimate the total number of deer in the lake.	
8 Ivan scores 16 out of 80 in a test. Write his score as a fraction in its simplest form.	
9 The pie chart shows the favourite choices of 360 people. The angle for Curry is not shown. Work out how many people chose Curry. 	
10 In a sale, the price of a sofa is reduced by 30%. (Calculator) Two weeks later it is reduced by a further 10% of the new price. The final price is £157.50. Work out the original price of the sofa.	