Day 69	B Tier 10-a-day
1 Work out the value of 4t + 8 when t = 7	
2 In a pie chart showing the answers of 72 people, the angle for car is 60°. How many people chose car?	
3 Each interior angle of a regular polygon is 150°. Work out the number of sides of the polygon.	
4 Ravi is paid £8 per hour for a 40 hour week. (Calculator) Overtime is paid at time and a half. In one week he works 5 hours of overtime. Work out his total pay for that week.	
5 A is the point (3, −5) and B is the point (−6, 1). (Calculator) (a) Work out the coordinates of the midpoint of AB. (b) Work out the length of AB. Give your answer correct to 1 decimal place.	

Day 69 **B Tier 10-a-day**

6 Coffee is sold in two sizes.
Small: 200 g for 90p
Large: 300 g for £1.26
Which size is better value for money?
You must show your working.

7 A rectangle is 2 cm long and 8 cm wide.
It is enlarged by scale factor ½.
(a) Write down the length and width of the enlarged rectangle.
(b) Work out the perimeter of the enlarged rectangle.

8 Write these numbers in order of size.
Start with the smallest number.
2.602, 2.66, 2.72, 2.6

9 A straight line has equation $y = -5x - 30$
(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.

10 The cumulative frequency graph shows the times taken by 40 students to complete a puzzle.
(a) Use the graph to estimate the median.
(b) Work out an estimate for the interquartile range.

