Day 336	B Tier 10-a-day
1 Here are the number of minutes Ravi waited for a bus. 15, 13, 9, 5, 3, 12 Work out the mean.	
2 (a) Convert 0.75 m to cm. (b) Convert 8 m^2 to cm^2.	
3 Factorise $y^2 + 4y$	
4 Write these numbers in order of size. Start with the smallest. 6.1×10^0, 0.0038, 1.8×10^{-2}, 75,000	
5 The four angles of a quadrilateral are x°, (x + 36)°, 2x° and (2x + 18)°. Work out the size of the largest angle.	

Day 336	B Tier 10-a-day
6 Two buses leave a bus station at 08:45. One bus leaves every 18 minutes. The other bus leaves every 20 minutes. At what time do both buses next leave together?	
7 Ali says, "The value of $n^2 - n + 9$ is a prime number for every positive whole number n." Show that Ali is wrong.	
8 Dev and Gita share some money in the ratio 9 : 5. Dev gets £60 more than Gita. How much money does Gita get?	
9 Estimate the value of $\frac{80.5}{5.12} + 2.18$ Show your rounding to 1 significant figure.	
10 Triangle XYZ is isosceles with XY = XZ = 11 m. (Calculator) The base YZ = 10 m. Work out the size of angle XYZ. Give your answer correct to 1 decimal place.	