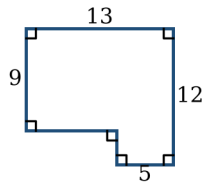
Day 123	B Tier 10-a-day
1 Here are the number of goals scored by a team in each match. 2, 4, 0, 4, 5 Work out the mean.	
2 Expand (a) $3(2x + 2)$ (b) $2x(x + 6)$	
3 What fraction of 1 hour is 25 minutes? Give your answer in its simplest form.	
4 A bar of lead has a density of 11.3 g/cm^3 and a mass of 1130 g. Work out its volume.	
5 Work out (a) 2^{-2} (b) $5^0 + \sqrt{100}$	

Day 123	B Tier 10-a-day
6 Make r the subject of the formula $C = 2\pi r$	
7 The diagram shows the shape of a playground. All the corners are right angles. All lengths are in m. (a) Calculate the perimeter. (b) Calculate the area.  	
8 A is the point $(-7, -2)$ and B is the point $(5, -6)$. Find the coordinates of the midpoint of AB.	
9 A cyclist travels at 45 km/h for 3 hours and then at 36 km/h for 3 hours. Work out its average speed for the whole journey.	
10 This prism has a right-angled triangle as its cross-section. Find the volume of this prism. The diagram is not drawn accurately. 