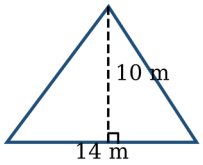
Day 273	B Tier 10-a-day
1 Solve $7y = 21$	
2 A car uses 20 litres of petrol to travel 200 km. Work out how many kilometres it travels on each litre of petrol.	
3 Each interior angle of a regular polygon is 162°. Work out the number of sides of the polygon.	
4 Work out (a) $\frac{3}{5} \times \frac{6}{7}$ (b) $\frac{3}{7} \div \frac{1}{6}$ Give each answer in its simplest form.	
5 Find the area of the triangle. The diagram is not drawn accurately. 	

Day 273	B Tier 10-a-day
6 M is the midpoint of AB. A is the point $(-7, 7)$ and M is the point $(-6, 6)$. Find the coordinates of B.	
7 Electricity costs 20p per unit. There is also a standing charge of £10. Work out the total bill for 420 units.	
8 There are 5.8×10^3 cells in a sample. The number doubles every day. How many are there after 4 days? Give your answer in standard form.	
9 A cone has base radius 3 m and vertical height 3 m. (Calculator) Volume of a cone = $\frac{1}{3}\pi r^2 h$ Work out the volume of the cone. Give your answer correct to 1 decimal place.	
10 In a sale, the price of a sofa is reduced by 40%. (Calculator) Two weeks later it is reduced by a further 25% of the new price. The final price is £112.50. Work out the original price of the sofa.	