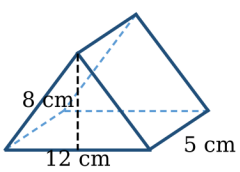
Day 319	B Tier 10-a-day
1 The probability that a train is on time is 65%. Work out the probability that a train is not on time.	
2 A concert starts at 3:40 pm. It lasts 3 hours 27 minutes. At what time does it finish? Give your answer using am or pm.	
3 Each interior angle of a regular polygon is 165°. Work out the number of sides of the polygon.	
4 (a) Solve $10 \leq 4x + 2 \leq 18$ (b) Write down the integer values of x that satisfy this inequality.	
5 The diagram shows a prism. Its cross-section is an isosceles triangle. Work out the volume of the prism. The diagram is not drawn accurately. 	

Day 319	B Tier 10-a-day
6 Work out the value of this expression. (Calculator) $\frac{7.2 + 7.9}{6 \times 4.3}$ Give your answer correct to 4 significant figures.	
7 City E has a population density of 25 people per km^2. Its area is 12 km^2. Work out its population.	
8 Simplify fully $\frac{16x - 16}{4}$	
9 The length of a rectangle is 31 cm and its width is 18 cm. Both measurements are correct to the nearest cm. Work out the lower bound for the area of the rectangle.	
10 Work out the value of 4a + 6b when a = −6 and b = 6	