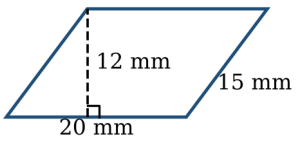
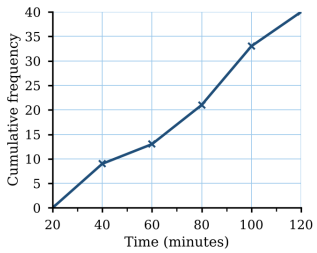
Day 41	B Tier 10-a-day
1 Work out (a) $\frac{1}{8} + \frac{2}{5}$ (b) $\frac{5}{6} - \frac{1}{4}$ Give each answer in its simplest form.	
2 A cuboid has volume 300 cm^3. The length of the cuboid is 6 cm and the width is 10 cm. Work out the height of the cuboid.	
3 Work out (a) $4 + 4 \times 5^2$ (b) $(3 + 6) \times 8 - 14$	
4 This is a parallelogram. Calculate the area of this parallelogram. The diagram is not drawn accurately. 	
5 Factorise $x^2 - 4x + 4$	

Day 41	B Tier 10-a-day
6 3 pumps take 10 minutes to empty a pool. All the pumps work at the same rate. How long would it take 2 pumps?	
7 The length of a rectangle is 27 cm and its width is 20 cm. Both measurements are correct to the nearest cm. Work out the lower bound for the area of the rectangle.	
8 A straight line has gradient -1 and passes through the point $(-2, 6)$. Find the equation of the line.	
9 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. 	
10 Expand and simplify $(2x - 4)(x + 5)$	