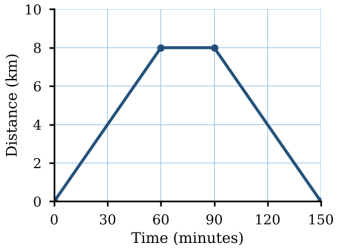
Day 121	B Tier 10-a-day
1 The probability that a bus is late is 60%. Work out the probability that a bus is not late.	
2 Work out (a) 570 × 9 (b) 945 ÷ 15	
3 The scale of a map is 1 : 25,000. Two villages are 2.75 km apart. How far apart are they on the map? Give your answer in centimetres.	
4 A straight line has equation $y = -3x - 7$ (a) Write down the gradient of the line. (b) Write down the equation of a line that is parallel to this line and passes through the point (0, 3).	
5 A is the point $(-2, -2)$ and B is the point $(-8, -3)$. (Calculator) (a) Work out the coordinates of the midpoint of AB. (b) Work out the length of AB. Give your answer correct to 1 decimal place.	

Day 121	B Tier 10-a-day
6 The graph shows Jack's journey. (a) How far did Jack travel in the first 60 minutes? (b) Work out Jack's speed in the last 60 minutes. Give your answer in km/h.  	
7 The price of a laptop is £80. The price is first reduced by 30%, then the new price is increased by 10%. (a) Work out the final price. (b) Work out the overall percentage decrease in the price.	
8 In triangle ABC, AB = 17 m, BC = 8 m and angle ABC = 30°. (Calculator) Work out the area of the triangle. Give your answer correct to 1 decimal place.	
9 A cafe sells cakes and drinks. All cakes cost the same and all drinks cost the same. 1 cake and 1 drink cost £5. 2 cakes and 1 drink cost £7. Work out the cost of one cake and the cost of one drink.	
10 Solve $22 - 5x = 2x - 13$	