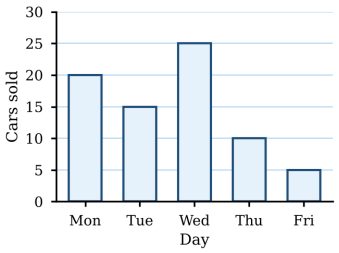
Day 270	B Tier 10-a-day
1 A right-angled triangle has one angle of 63°. Work out the size of the other acute angle.	
2 The bar chart shows some information. (a) How many more were there for Mon than for Fri? (b) Work out the total of all five bars.  	
3 Dev is paid £14.50 per hour for a 30 hour week. (Calculator) Overtime is paid at double time. In one week he works 7 hours of overtime. Work out his total pay for that week.	
4 The scale of a map is 1 : 50,000. Two towns are 16 cm apart on the map. Work out the real distance between the towns. Give your answer in kilometres.	
5 A straight line has equation $y = 8x + 1$ (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, 2).	

Day 270	B Tier 10-a-day
6 Tom bought a bike for £120 and sold it for £102. Work out the percentage loss.	
7 The angles of a triangle are x°, 3x° and (3x + 19)°. Work out the size of the largest angle.	
8 Sam stands 72 m from the base of a tower on level ground. (Calculator) The angle of elevation of the top of the tower is 48°. Work out the height of the tower. Give your answer correct to 1 decimal place.	
9 A bus leaves at 10:45 am. It travels 144 km at an average speed of 36 km/h. At what time does it arrive?	
10 The length of a rectangle is 30 cm and its width is 10 cm. Both measurements are correct to the nearest cm. Work out the upper bound for the perimeter of the rectangle.	