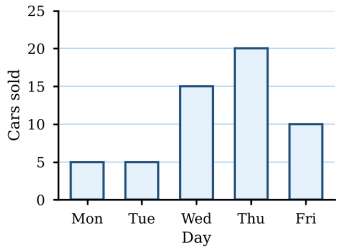
Day 306 **B Tier 10-a-day**

1 The bar chart shows some information.
(a) Write down the mode.
(b) What fraction of the total is Thu? Give your answer in its simplest form.

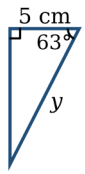


2 Work out
(a) 30% of £140
(b) 5% of 180

3 A gym charges a joining fee of £7 and £3 for each month of membership.
(a) Work out the total cost for 6 months.
(b) The total cost is £28. Work out the number of months.

4 Work out
(a) 0.7 ÷ 0.2
(b) 35 ÷ 0.5

5 A lorry travels 75 km at an average speed of 60 km/h.
How long does the journey take?
Give your answer in hours and minutes.

Day 306	B Tier 10-a-day
6 A water tank has radius 8 m and height 15 m. (Calculator) Work out its volume. Give your answer correct to 1 decimal place.	
7 A bar of lead has a density of 11.3 g/cm^3 and a volume of 30 cm^3. Work out its mass.	
8 A theme park sells adult tickets and child tickets. 1 adult ticket and 3 child tickets cost £42. 3 adult tickets and 3 child tickets cost £60. Work out the cost of one adult ticket and the cost of one child ticket.	
9 Calculate the length of y. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately. 	
10 The length of a rectangle is 25 cm and its width is 8 cm. Both measurements are correct to the nearest cm. Work out the upper bound for the perimeter of the rectangle.	