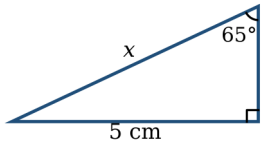
Day 115	B Tier 10-a-day
1 The temperature on a mountain at 6 am is −5°C. (a) The temperature rises by 7°C. Work out the new temperature. (b) The highest temperature one day was 7°C and the lowest was −8°C. Work out the difference.	
2 Write the ratio £14 : 800p in its simplest form.	
3 Here is a formula. T = 5n + 20 Work out the value of T when n = 13	
4 A jug holds 1.75 litres of juice. Each glass holds 125 ml. How many glasses can be filled from the jug?	
5 A gift box measures 10 cm by 6 cm by 3 cm. Work out the total surface area.	

Day 115 **B Tier 10-a-day**

6 Solve $6 - 4x = 2x - 24$

7 A spacecraft travels at 4×10^6 km per hour.
It travels for 1.9×10^3 hours at this speed.
Work out how far it travels.
Give your answer in standard form.

8 Find the length of x. (Calculator)
Give your answer correct to 1 decimal place.
The diagram is not drawn accurately.



9 The probability that it rains on Saturday is 0.1.
The probability that it rains on Sunday is 0.3.
The events are independent.
Work out the probability that it rains on both days.

10 The diagram shows a trapezium.
Find the area of the trapezium.
The diagram is not drawn accurately.

