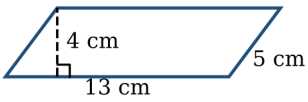
Day 177 **B Tier 10-a-day**

1 A cuboid measures 5 cm by 8 cm by 4 cm.
Work out the total surface area.

2 n is an integer.
Write down all the values of n for which
$-6 \leq n \leq -2$

3 This is a parallelogram.
Find the area of the parallelogram.
The diagram is not drawn accurately.



4 The table shows the shoe sizes of students in a class.
(a) Write down the mode.
(b) Work out the median.

Shoe size	5	6	7	8	9	10
Frequency	2	10	5	3	9	8

5 A rectangular pond is 9 m by 7 m.
There is a path of width 1 m all the way round the outside of the pond.
Work out the area of the path.

Day 177	B Tier 10-a-day
6 A lump of gold has a density of 19.3 g/cm^3 and a volume of 200 cm^3. Work out its mass.	
7 Work out the value of this expression. (Calculator) $\sqrt{6^2 + 5^2}$ Give your answer correct to 3 significant figures.	
8 A theme park sells adult tickets and child tickets. 4 adult tickets and 2 child tickets cost £78. 3 adult tickets and 2 child tickets cost £64. Work out the cost of one adult ticket and the cost of one child ticket.	
9 In a sale, the price of a sofa is reduced by 30%. (Calculator) Two weeks later it is reduced by a further 25% of the new price. The final price is £105. Work out the original price of the sofa.	
10 Solve $6n - 12 = 30$	