

1 Change 1 m^2 into cm^2

..... cm^2

(Total for Question 1 is 1 mark)

2 A water tank is empty.

Anil needs to fill the tank with 2400 litres of water.

Company **A** supplies water at a rate of 8 litres in 1 minute 40 seconds.

Company **B** supplies water at a rate of 2.2 gallons per minute.

1 gallon = 4.54 litres

Company **A** would take more time to fill the tank than Company **B** would take to fill the tank.

How much more time?

Give your answer in minutes correct to the nearest minute.

..... minutes

(Total for Question 2 is 4 marks)

- 3** In Spain, Sam pays 27 euros for 18 litres of petrol.
In Wales, Leo pays £40.80 for 8 gallons of the same type of petrol.

$$1 \text{ euro} = \text{£}0.85$$
$$4.5 \text{ litres} = 1 \text{ gallon}$$

Sam thinks that petrol is cheaper in Spain than in Wales.

Is Sam correct?

You must show how you get your answer.

(Total for Question 3 is 4 marks)

4 Change 30 metres per second to kilometres per hour.

..... kilometres per hour

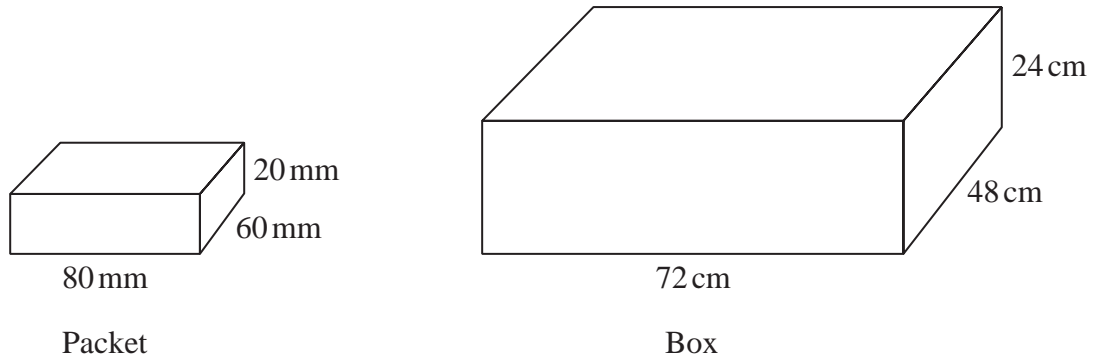
(Total for Question 4 is 2 marks)

5 Change 9 metres into centimetres.

..... centimetres

(Total for Question 5 is 1 mark)

6 Packets of sweets are put into boxes.



Each packet is a cuboid, 80 mm by 60 mm by 20 mm.
Each box is a cuboid, 72 cm by 48 cm by 24 cm.

Work out the greatest number of packets that can be put into each box.

(Total for Question 6 is 4 marks)

7 Paulo drives at an average speed of 56 km/h for 1 hour 45 minutes.

Work out the distance Paulo drives.

..... km

(Total for Question 7 is 3 marks)