**Q1.**

How many centimetres are there in 3.7 metres?

Circle your answer.

0.037          0.37          37          370

**(Total 1 mark)**

**Q2.**

Complete the table.

| Minutes | Hours |
|---------|-------|
| 30 | $\frac{1}{2}$ |
| 40 | |
| | $2\frac{1}{4}$ |

**(Total 2 marks)**

**Q3.**

Textbooks are stored on two shelves.

Each shelf is 0.72 metres long.

Each textbook is 30 millimetres wide.

Not drawn accurately

Can 50 textbooks be stored on these shelves?

You **must** show your working.

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Answer ...........................................

**(Total 3 marks)**

**Q4.**

Sam wants to buy a camera for £345

He has already saved £96

Each week

  his pay is £80

  he saves 30% of this pay.

How many **more** weeks must he save?

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Answer ............................................ weeks

**(Total 4 marks)**

**Q5.**

Mr Jones works for five days each week.

If he uses his car to travel to work,

each day he drives a total distance of 24.2 miles
his car travels 32.3 miles per gallon of petrol
petrol costs £1.27 per litre.

If he uses the bus to travel to work, he can buy a weekly ticket for £19.50

Use 1 gallon = 4.5 litres

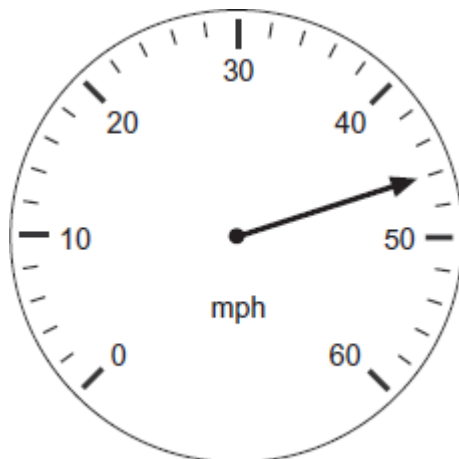Is it cheaper if he uses his car or the bus to travel to work?

You **must** show your working.

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Answer ............................................

**(Total 5 marks)**

**Q6.**(a)    Write down the speed shown on the speedometer.



Answer ................................................................. mph

**(1)**

(b)    A car travels for 1 hour 30 minutes at an average speed of 28 mph.
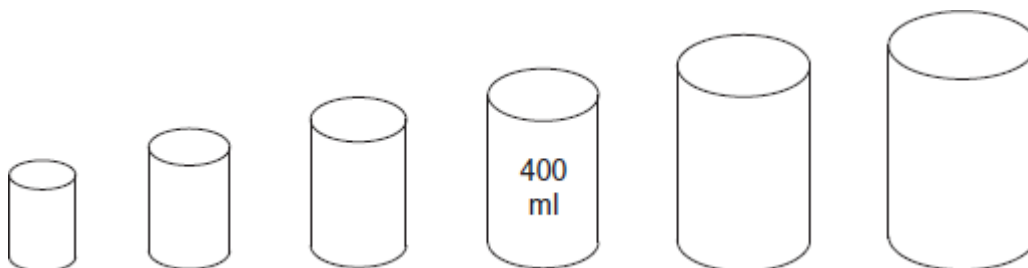
How many miles does the car travel?

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Answer ................................................................. miles

**(3)**
**(Total 4 marks)**

**Q7.**A company makes tins in six different sizes.

For each increase in size, the capacity of the tin **doubles**.



(a)    Work out the capacity of the smallest tin.

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Answer ................................................. ml

**(2)**

(b)    Work out the capacity of the largest tin.
Give your answer in litres.

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Answer ............................................... litres

**(2)**
**(Total 4 marks)**

**Q8.** A scooter is travelling at a constant speed of 75 kilometres per hour.

(a)    The scooter travels at this speed for 20 minutes.

How many kilometres has the scooter travelled in this time?

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Answer ..................................................... km

**(2)**

(b)    The speed limit is 50 **miles** per hour.

Is the scooter travelling faster or slower than the speed limit?

Faster [ ]     Slower [ ]

You **must** show your working.

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**(2)**
**(Total 4 marks)**

**Q9.**(a)    One litre of fuel weighs 737 grams.

How much does 70 litres of fuel weigh?
Give your answer in kilograms.

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Answer ............................................................... kg

**(3)**

(b)    Fuel flows through a pump at 30 litres per minute.

How long does it take to put 70 litres in a tank?
Give your answer in minutes and seconds.

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Answer ........................ minutes ........................ seconds

**(3)**
**(Total 6 marks)**

**Q10.**A builder has a pipe that is 2 metres long.

He wants to cut lengths of 80 cm, 45 cm and 70 cm.

Does he have enough pipe?
You **must** show your working.

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**(Total 3 marks)**

**Q11.** You are given     2.2 pounds = 1 kilogram

                               1 kilogram = 1000 grams

Matthew's grandmother asked him to buy $\frac{1}{2}$ pound of cherries.

Cherries are sold in 100 g, 250 g and 500 g packs.

Which pack should he buy to get the nearest amount?
You **must** show your working.

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                   Answer ................................................................. g

**(Total 4 marks)**

**Q12.** The scale on a map is 1 : 500 000

Two towns are 8 cm apart on the map.

Work out the actual distance between the towns.
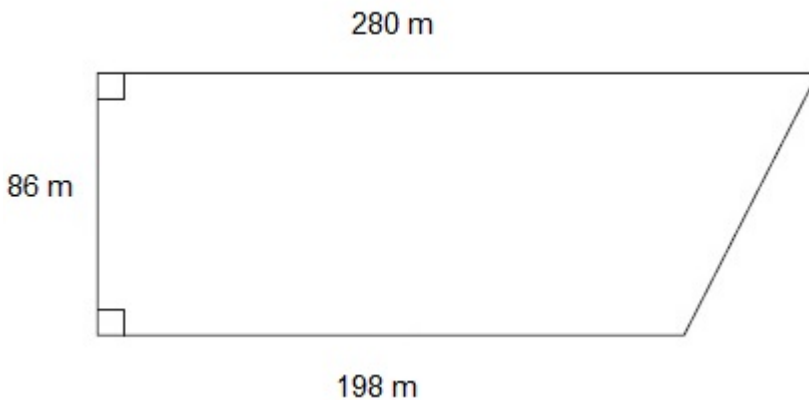Give your answer in kilometres.

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Answer ................................................................. km

**(Total 3 marks)**

**Q13.** The diagram shows a field.

Not drawn
accurately



(a)   Work out the area of the field.

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Answer ............................................................... m²

**(2)**

(b)   1 acre = 4047 square metres

A farmer keeps cows in the field.
He is allowed 7 cows per acre.

Work out the maximum number of cows he is allowed to put in the field.

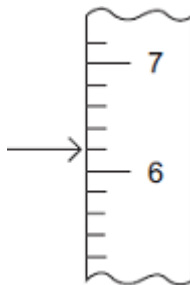.......................................................................................................

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Answer ......................................................................

**(4)**
**(Total 6 marks)**

**Q14.**(a)    Robin says that the arrow is pointing to 6.1



He is **not** correct.

What is his mistake?

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**(1)**

(b)    Six pears of equal size are weighed on a digital scale.
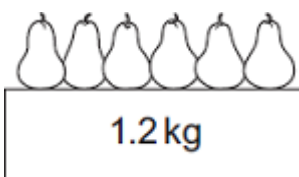


Estimate the weight of one pear.
Give your answer in grams.

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Answer ......................................................... grams

**(3)**
**(Total 4 marks)**

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