

## Non-Calculator

**Q1.**

Write 180 g as a fraction of 3 kg

Give your answer in its simplest form.

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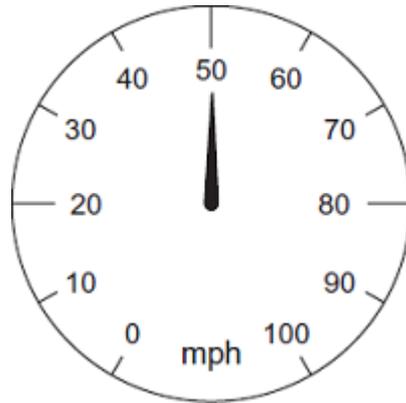
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Answer \_\_\_\_\_

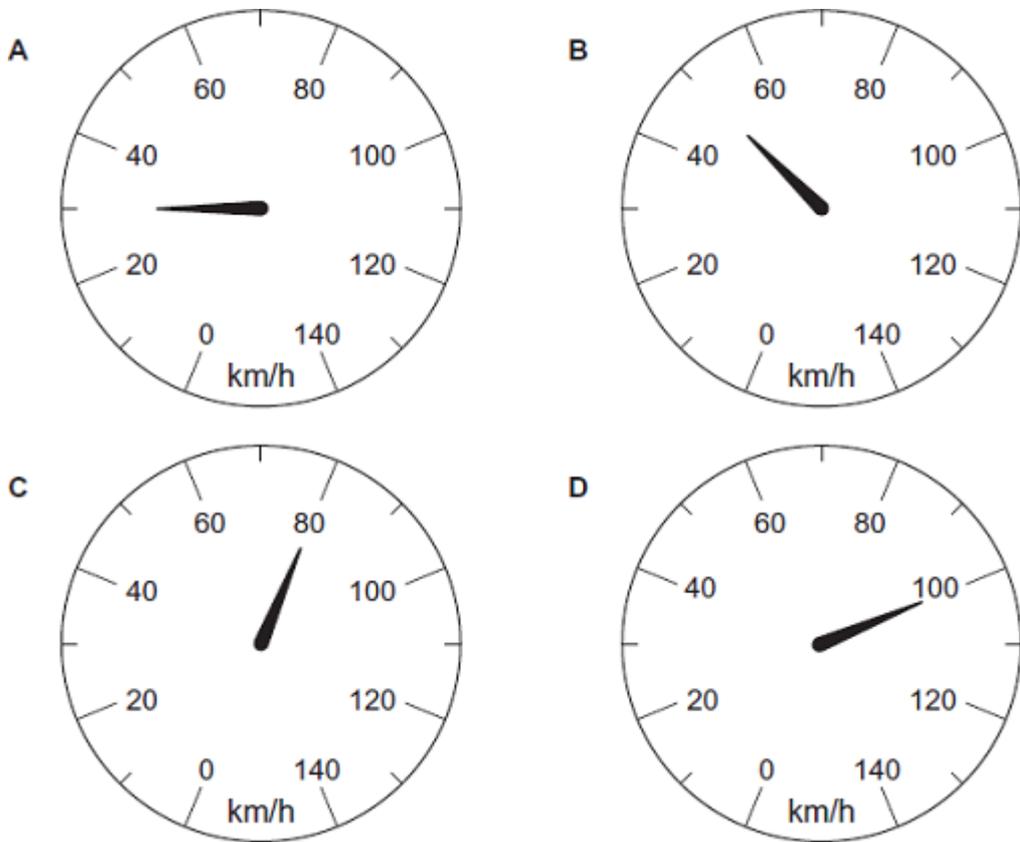
**(Total 2 marks)**

**Q2.**

- (a) This speedometer shows a speed of 50 **miles per hour** (mph).



These speedometers are marked in **kilometres per hour** (km/h).

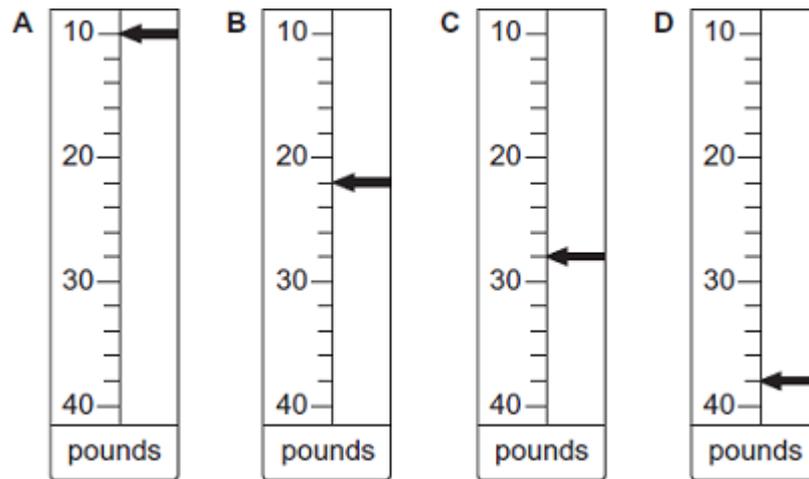


Which speedometer shows a speed the same as 50 mph?

Answer \_\_\_\_\_

(1)

(b) Here are four scales showing some weights in **pounds**.

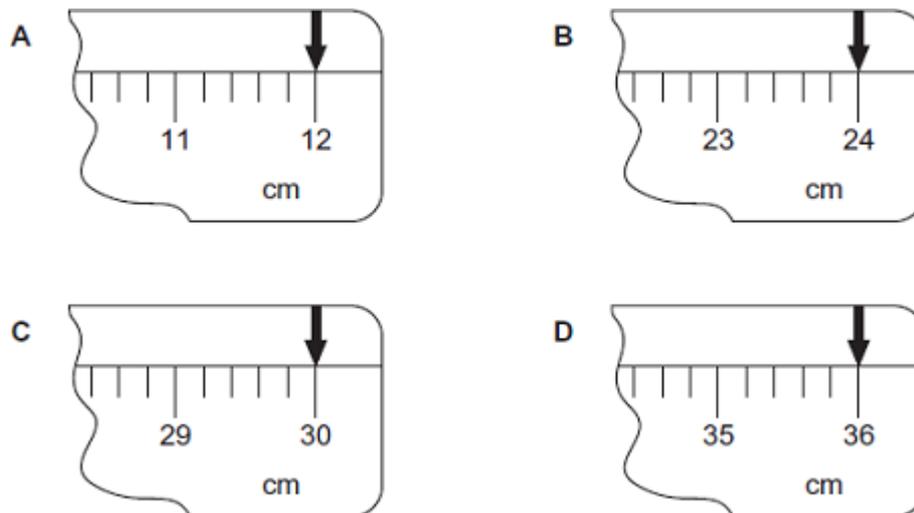


Which scale shows a weight the same as 10 kilograms?

Answer \_\_\_\_\_

(1)

(c) Here are some rulers showing lengths in **centimetres**.



Which ruler shows a length the same as 12 inches?

Answer \_\_\_\_\_

(1)

(Total 3 marks)

**Q3.**

Three **whole** numbers are each rounded to the nearest 10

The sum of the rounded numbers is 70

Work out the **maximum** possible sum for the original three numbers.

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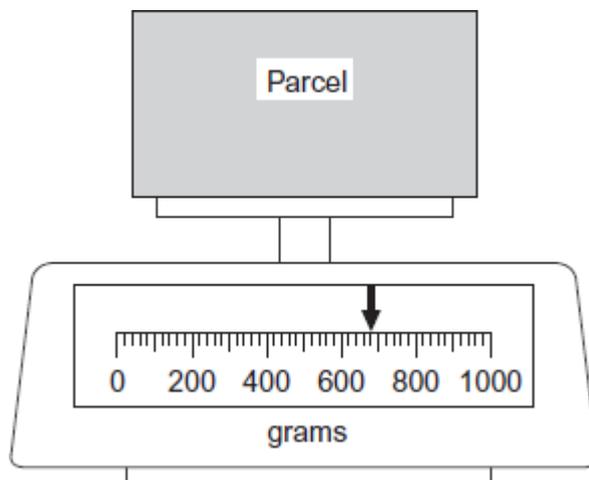
Answer \_\_\_\_\_

(Total 2 marks)

**Calculator**

**Q4.**

(a) Amir weighs a parcel.



What is the weight of his parcel?

Answer \_\_\_\_\_ grams

(1)

(b) Beth has a parcel that weighs 1600 grams.

What is 1600 grams in kilograms?

Answer \_\_\_\_\_ kilograms

(1)

(Total 2 marks)

**Q5.**

Alan is on holiday in France.

- (a) He sees this sign.



How many miles is this?

Use 8 kilometres = 5 miles

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Answer \_\_\_\_\_ miles

(2)

- (b) He puts 48 litres of petrol in his car.

How many gallons is this?

Use 1 litre = 0.22 gallons

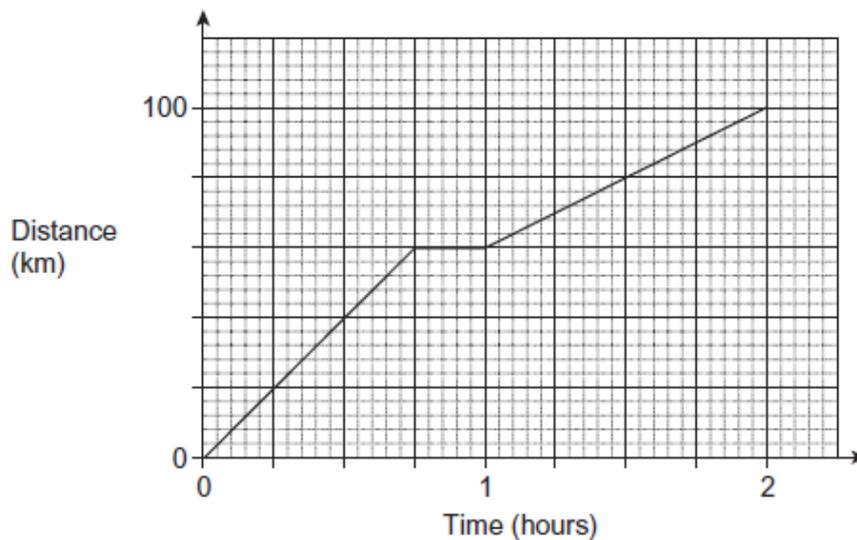
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Answer \_\_\_\_\_ gallons

(2)

- (c) This graph shows a journey he made to the coast.



During the journey he stopped at a café.

For how long did he stop?

State the units of your answer.

Answer \_\_\_\_\_

(2)

(Total 6 marks)

**Q6.**

Circle the most suitable measurement for each of the following.

The amount an apple weighs.

1 gram    10 grams    100 grams

The amount of water in a full kettle.

2 litres    20 litres    200 litres

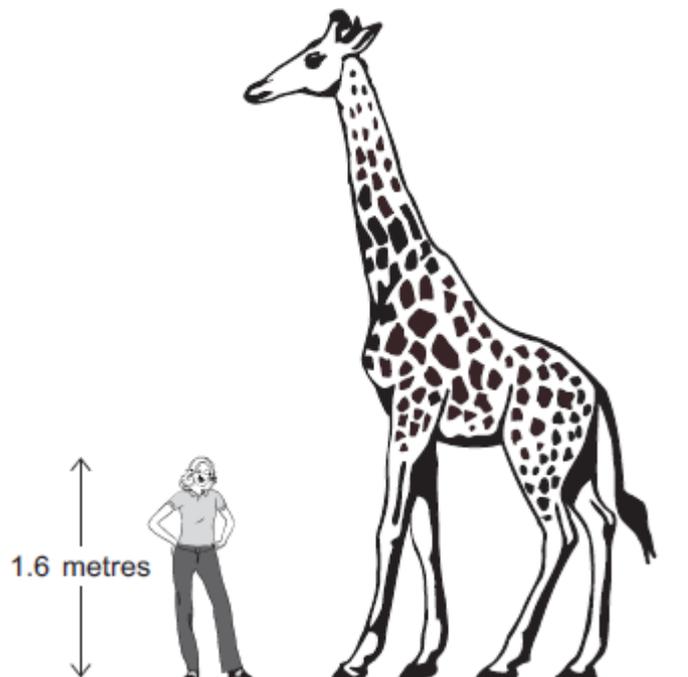
The height of a bus.

5 metres    50 metres    500 metres

**(Total 3 marks)**

**Q7.**

The diagram shows a woman standing beside a giraffe.



Estimate, in metres, the height of the giraffe.  
You **must** show your working.

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Answer \_\_\_\_\_ metres  
**(Total 2 marks)**

**Q8.**

What is a **litre** a unit of?

Circle your answer.

area

density

mass

capacity

(Total 1 mark)

**Q9.**

Complete each statement using the correct unit.

Choose from

tonnes

kilograms

grams

litres

millilitres

(a) A boy weighs 45 \_\_\_\_\_

(1)

(b) A packet of crisps weighs 28 \_\_\_\_\_

(1)

(c) The volume of water in a full bottle is 2 \_\_\_\_\_

(1)

(Total 3 marks)

**Q10.**

Which of these are units of volume?

Circle your answers.

$\text{cm}^3$

$\text{kg}^3$

cubic metre

$\text{m}^2$

(Total 1 mark)

**Q11.**

Circle the most suitable unit for each of the following.

The length of a human finger      centimetres      metres      kilometres

The amount of water in a bath      millilitres      centilitres      litres

The weight of a pencil      grams      kilograms      tonnes

(Total 3 marks)

**Q12.**

Ali is going to drive 210 miles.

He has 27 **litres** of petrol in his car.

His car travels 36 miles for each **gallon** of petrol.

Does he have enough petrol for the journey?

You **must** show your working.

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Answer \_\_\_\_\_

**(Total 4 marks)**