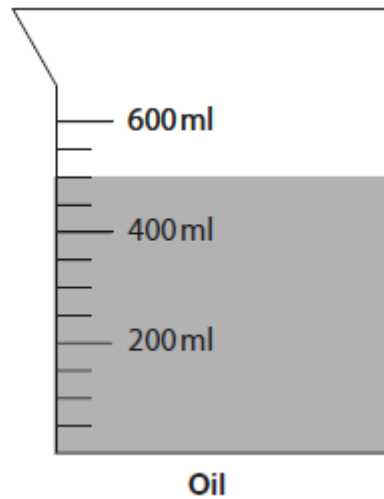
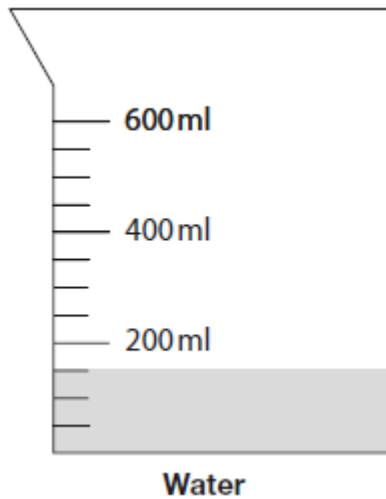


# Year 4 Measurement

Q1.

One jug contains water and the other jug contains oil.



How much **more** oil is there than water?

ml

1 mark

Q2.

Write these times in order, starting with the shortest.

24 days

10 weeks

1 month

48 hours

smallest

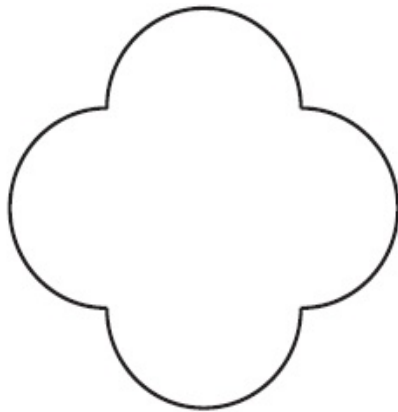
1 mark

**Q3.** What is 444 minutes in hours and minutes?

<b>hours</b>	<b>minutes</b>
--------------	----------------

1 mark

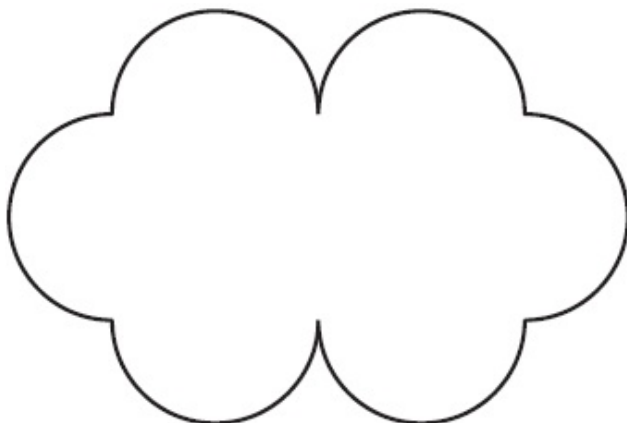
**Q4.** This shape is made out of four identical curves.



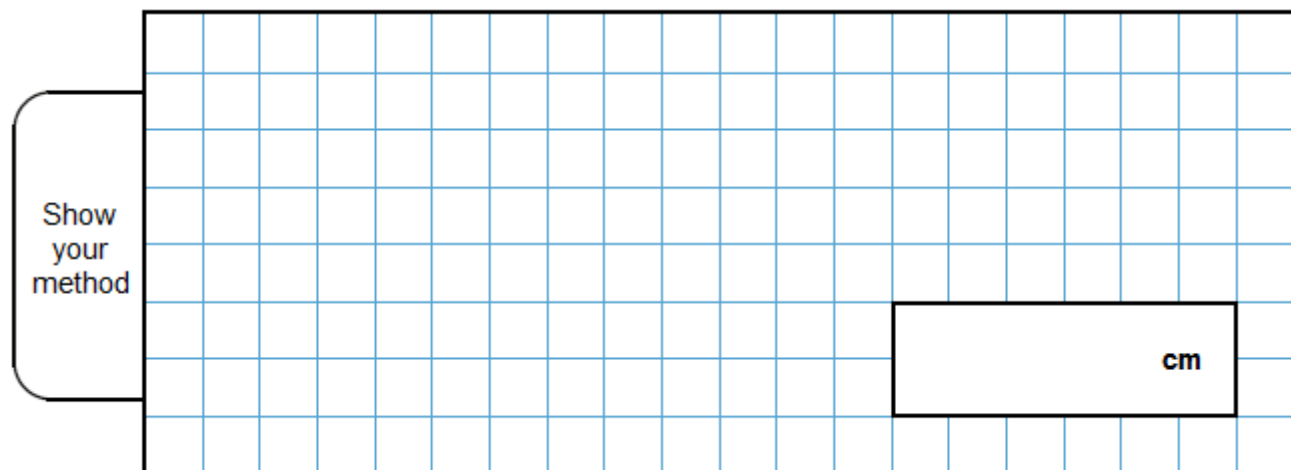
**Not  
actual  
size**

The perimeter of the shape is 28 centimetres.

A new shape is made out of curves of the same size.



What is the perimeter of the new shape?



2 marks

**Q5.**

The table below shows five journeys a taxi driver made one day.

journey number	start time	number of passengers	distance	cost
1	9:15am	2	8 km	£7.50
2	9:40am	1	12 km	£9.90
3	10:30am	3	7 km	£7.60
4	10:50am	1	21 km	£15.50
5	12:10pm	4	15 km	£12.00

On journey number 5, the passengers shared the cost equally.

How much did **each** passenger pay?

£

1 mark

How many **passengers** made journeys of more than 10 km?

**passengers**

1 mark

The 12 km journey took 40 minutes.

What time did the taxi finish its journey?

**am**

1 mark

**Q6.**

Liam hires a bike.

He has to return it by 3 pm.

The time is 2:25 pm.

How many minutes has he got left?



**minutes**

1 mark

Amy hires a bike for 45 minutes.

She takes the bike out at 3:30 pm.

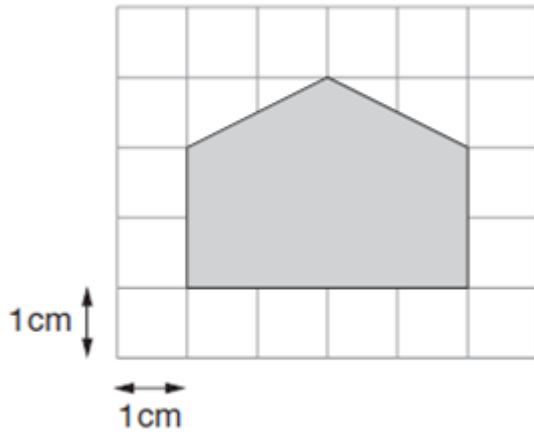
At what time must she return the bike?

**pm**

1 mark

**Q7.**

Here is a shaded shape on a 1 cm square grid.



What is the **area** of the shaded shape?

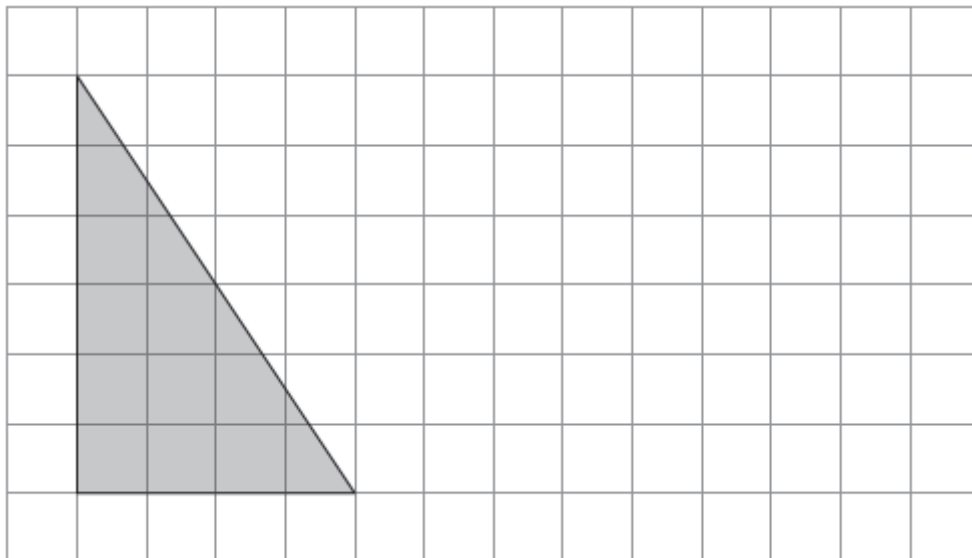
**cm<sup>2</sup>**

1 mark

**Q8.**

Draw a rectangle on the grid that has **half** the area of the shaded triangle.

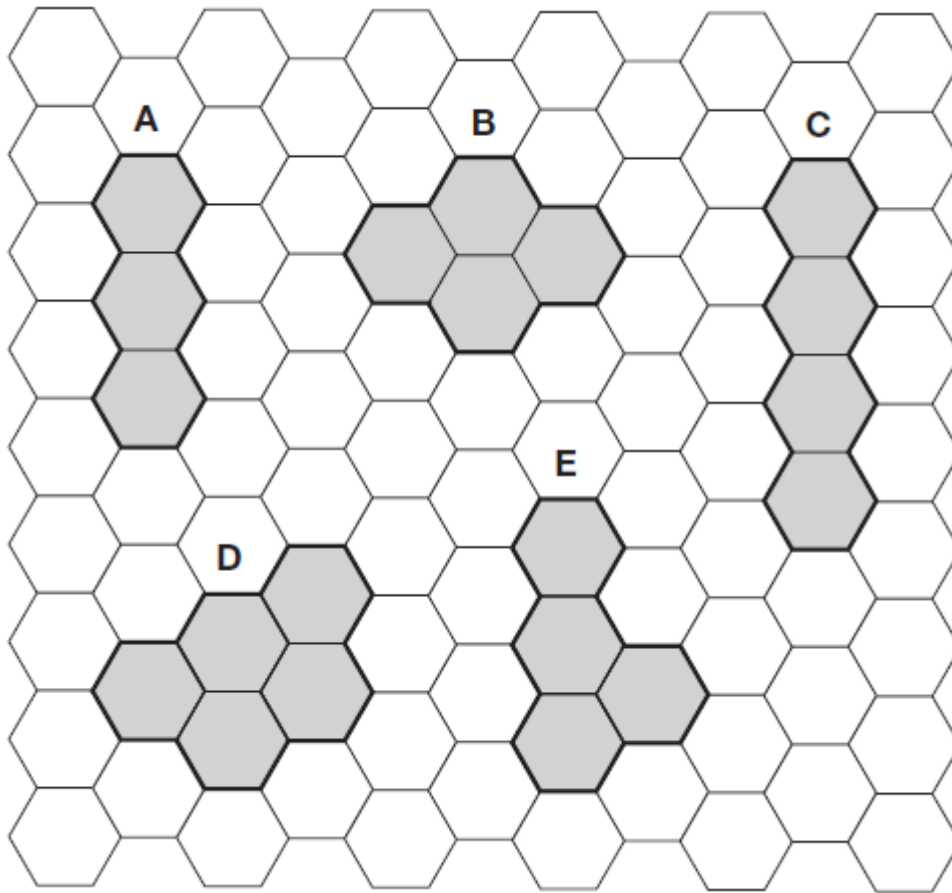
Use a ruler.



1 mark

**Q9.**

Here are five shapes on a regular grid.



Which shape has the longest **perimeter**?

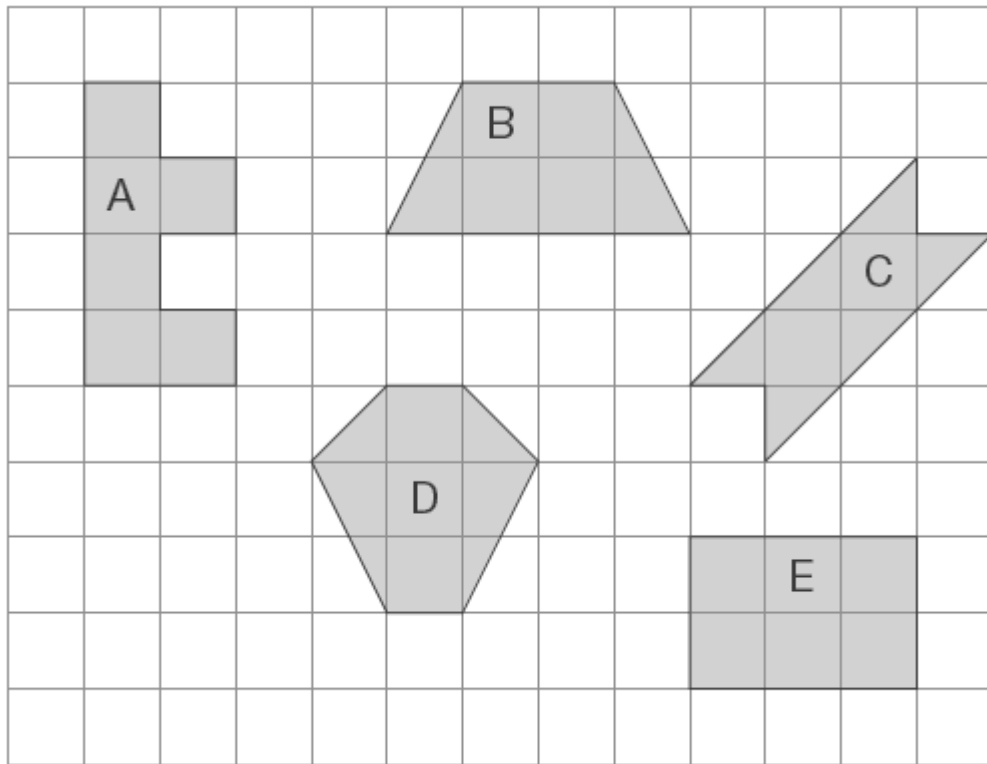
1 mark

Which shape has only one **line of symmetry**?

1 mark

**Q10.**

Here are some shapes on a 1cm square grid.



What is the **perimeter** of shape A?

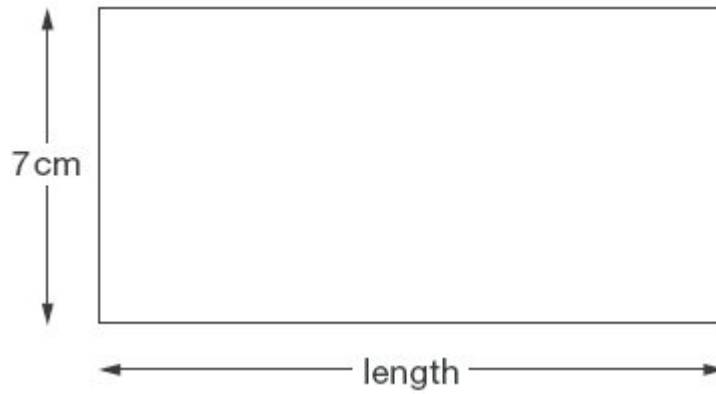
**cm**

1 mark

Write the letter of the shape that has the **smallest area**.

1 mark

**Q11.**



**Not actual size**

The perimeter of this rectangle is 50 centimetres.

Calculate the length of the rectangle.

A large grid for working out the solution. On the left side of the grid, there is a rounded rectangular box containing the text "Show your method". On the right side of the grid, there is a smaller rectangle that is 2 units wide and 2 units high, with the label "cm" inside it.

2 marks

**Q12.**

Megan wants to fill a bucket with water.

A bucket holds 6 litres.

A jug holds 500 millilitres.

How many jugs of water does Megan need to fill an empty bucket?



2 marks

**Q13.**

Here are four masses.

2  
kilograms

1  
tonne

800  
grams

$\frac{1}{2}$   
kilogram

Write the masses in order, starting with the lightest.

lightest

1 mark

**Q14.**

Freddie is half as tall as his mother.

Freddie is one metre shorter than his father.

Freddie's father is 180 centimetres tall.



How many centimetres tall is Freddie's mother?

1 mark

**Q15.**

Seb has to see the doctor at 10:05 am.

He gets to the doctor's surgery at 9:52 am.

How many minutes **early** is he?

1 mark

He leaves the doctor's surgery at 10:25 am.

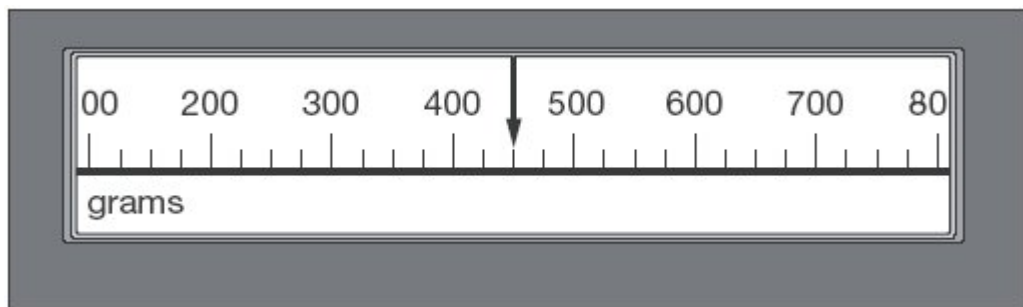
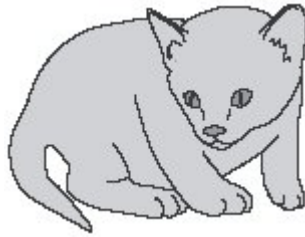
He gets to school 45 minutes later.

What time does he arrive at school?

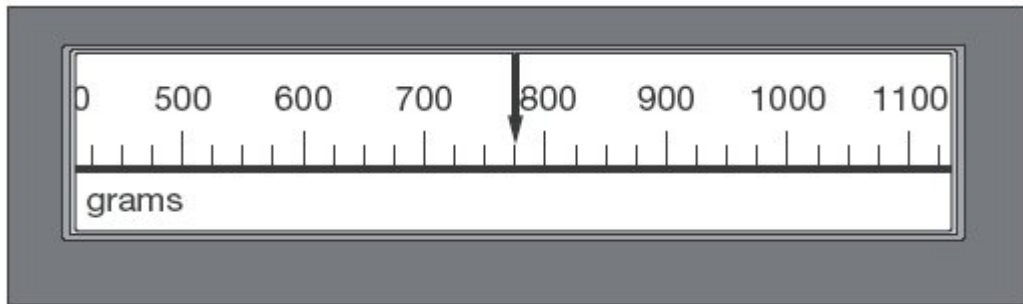
1 mark

**Q16.**

This scale shows the mass of Amy's kitten when it was one month old.



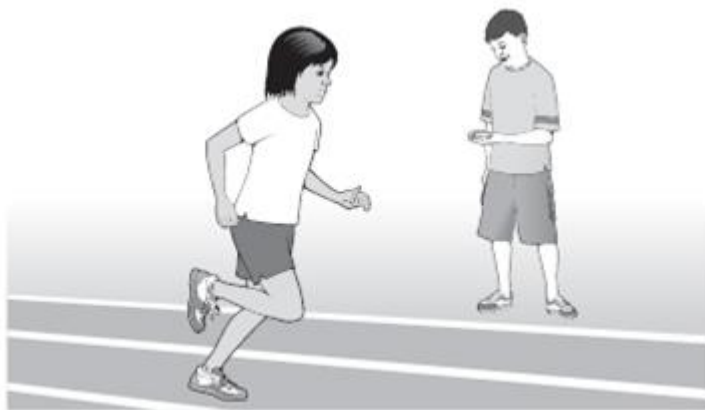
This scale shows the mass of the kitten when it was two months old.



What is the increase in mass?

1 mark

**Q17.**



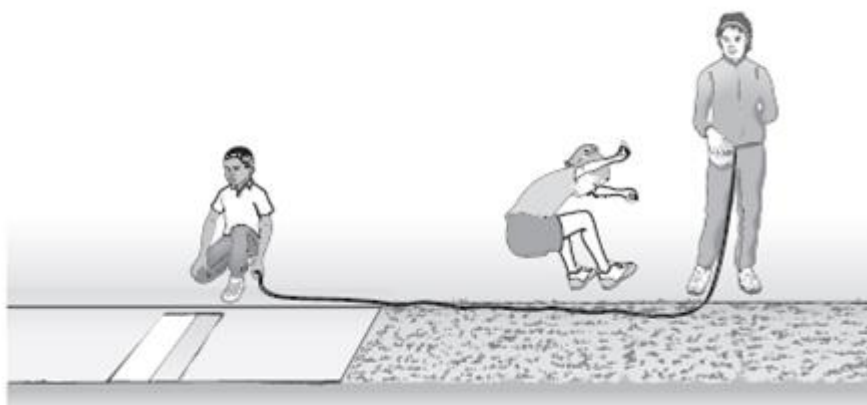
Kirsty ran a race in one and a half minutes.

Mina took 10 seconds longer.

How many **seconds** did Mina take to run the race?

**seconds**

1 mark



Seb made a jump of two and a half metres.

Kirsty's jump was 10 centimetres longer.

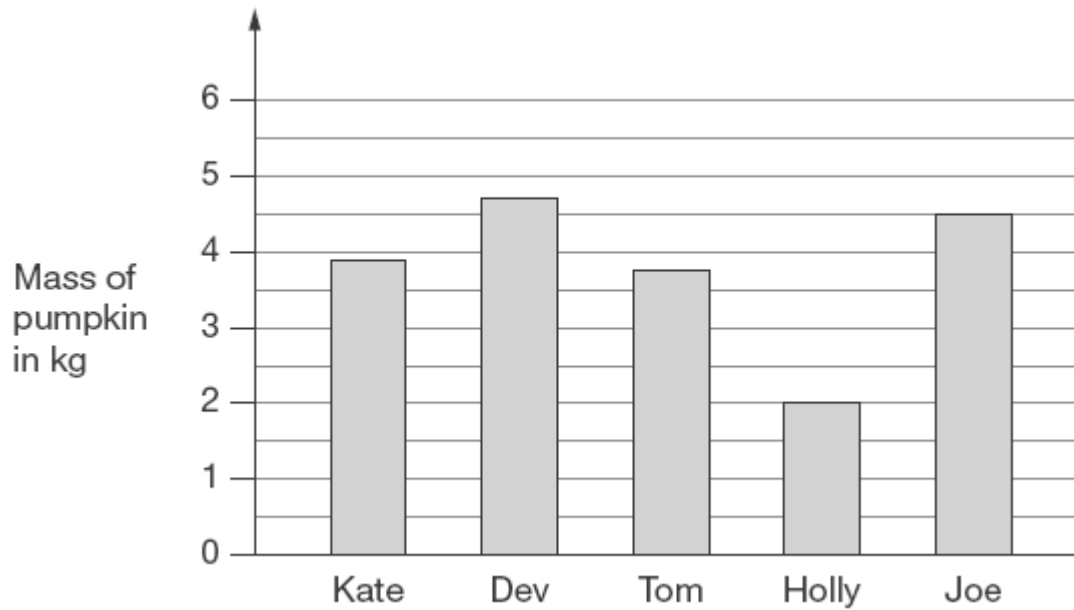
How long was Kirsty's jump?

1 mark

**Q18.** Five children grow pumpkins.



This bar chart shows how heavy their pumpkins are.



How much heavier is Joe's pumpkin than Holly's?

 kg

1 mark

What is the mass of Dev's pumpkin to the **nearest kilogram**?

 kg

1 mark

**Q19.**

Circle the approximate measurement.

The length of a banana is about ...

2 cm    20 cm    2 mm    2 m    20 m

The mass of an apple is about ...

2 g    20 kg    200 kg    200 g    2 kg

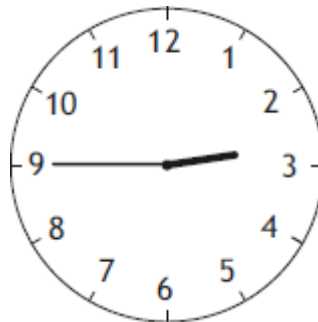
A glass of fruit juice is about ...

2 ml    2 l    20 ml    200 ml    20 l

2 marks

**Q20.**

A clock shows this time twice a day.



Tick the two digital clocks that show this time.

03:45

02:45

09:45

21:45

14:45

1 mark

**Q21.**

This table shows the opening times of a pet clinic.

  <b>Pet Clinic</b>  	
Monday	10am to 4:30 pm
Tuesday	10am to 4:30 pm
Wednesday	Closed all day
Thursday	10:30am to 2:30 pm
Friday	1pm to 6:30 pm
Saturday	10am to 5:30 pm
Sunday	Closed all day

How many hours is the clinic open on Thursday?

1 mark

On which day is the clinic open for the longest time?

1 mark

Liam takes his dog to the clinic on Saturday.

He arrives at 9:25am.

How many minutes is it before the clinic opens?

**minutes**

1 mark

**Q22.**

These are all times on the same morning.

- A 7:56 am
- B quarter to eight
- C six minutes to eight
- D half past seven

Write the letters for the times in order, starting with the earliest.

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1 mark