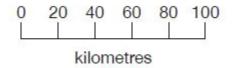
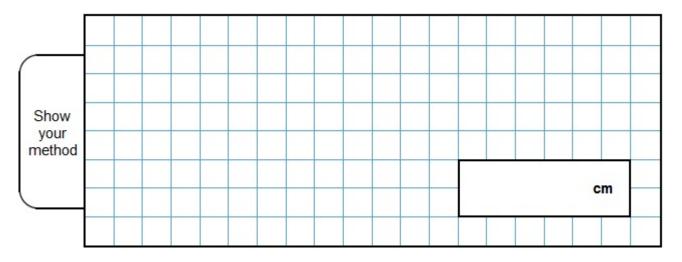


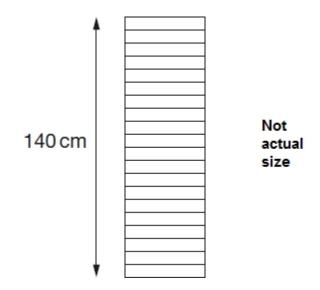
week 16 Length		Name: Class: Date:	
Time:	33 minutes		
Marks:	32 marks		
Comments:			



The distance between two cities is 250 km.

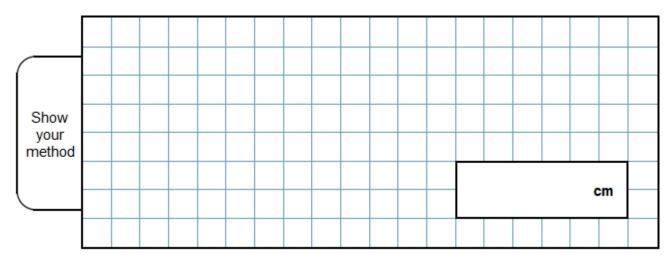
On the map, what is the distance between the two cities?





Stefan takes three boxes off the top.

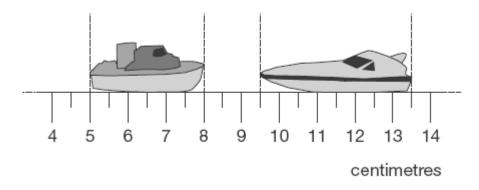
How tall is the stack now?



2 marks

3

Here are two model boats on a centimetre scale.



ст

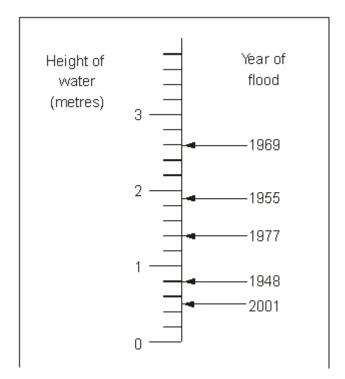
1 mark

What is the difference in the lengths of the two boats?

ст

1 mark

This scale shows the dates of floods and the height of the water in the floods.



How high was the water in the 1955 flood?

m

1 mark

How much higher was the water in the 1969 flood than in the 1948 flood?

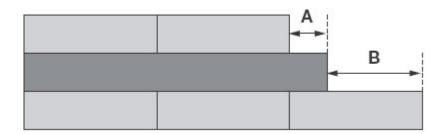
m

J

Liam has two different sizes of rectangle.



He makes this pattern with them.



Not actual size

Calculate the lengths of **A** and **B**.

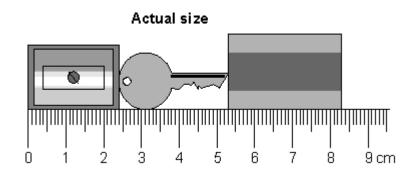


1 mark

1 mark

6

Here are a pencil sharpener, a key and a rubber.

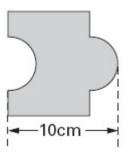


	What is the length of all three things together?		
	Give your answer in millimetres.		
		mm	
	What is the length of the key ?		1 mark
	Give your answer in millimetres .		
		mm	
			1 mark
7	Max jumped 2.25 metres on his second try at the long jump.		
	This was 75 centimetres longer than on his first try.		
	and and the same about the fire as from an exchange to the same and a series and a	Me dem	
	How far in metres did he jump on his first try?		
		m	
			1 mark

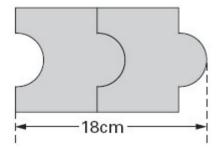
8	Two of these sentences could be true.	
	Tick (✓) the two sentences that could be true.	
	Adam's pencil is 12 centimetres long.	
	Leah is 12 metres tall.	
	Jake's glass holds 12 litres of milk.	

Kate's younger sister weighs 12 kilograms.

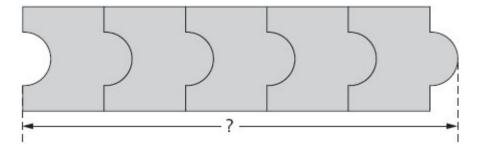
Not actual size



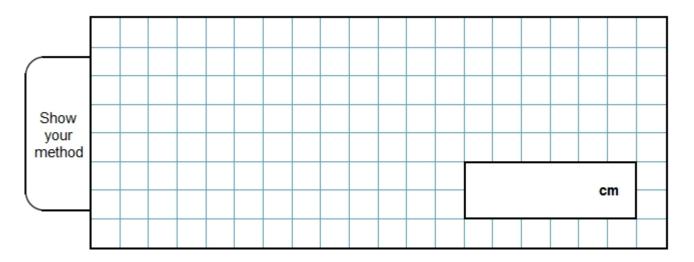
Each tile is 10 cm long.



Two tiles fitted together are 18 cm long.



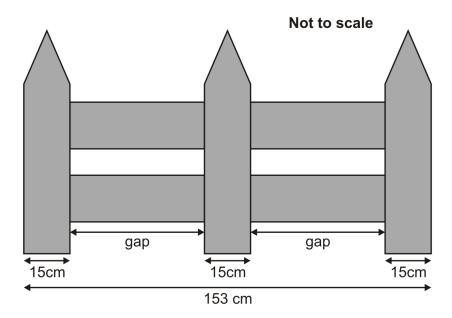
Calculate the length of five tiles fitted together.



2 marks

10

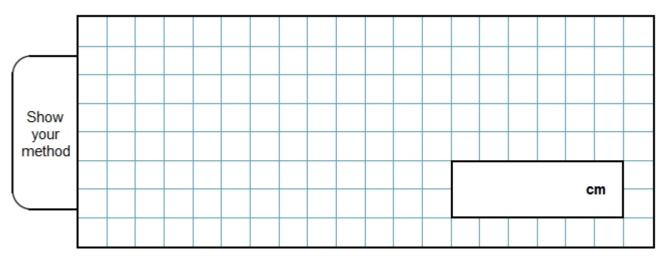
This fence has three posts, equally spaced.



Each post is 15 centimetres wide.

The length of the fence is 153 centimetres.

Calculate the length of **one gap** between two posts.



2 marks

11

Kate has a piece of ribbon one metre long.

She cuts off 30 centimetres.



How many centimetres of ribbon are left?

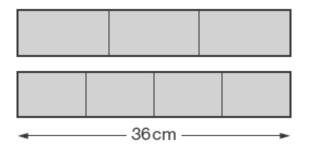


Joe has two strips of card.

Each strip is 36 centimetres long.

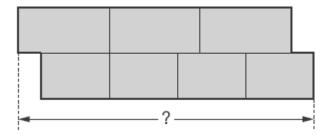
One strip is divided into three equal parts.

The other strip is divided into four equal parts.

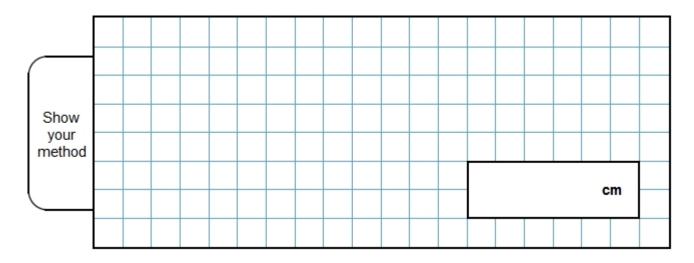


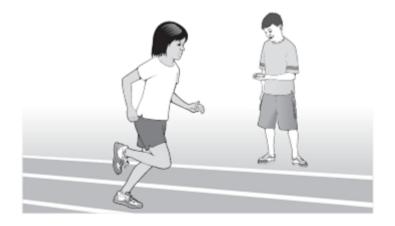
Not actual size

Joe uses the two strips to make this shape.



What is the total length of Joe's shape?





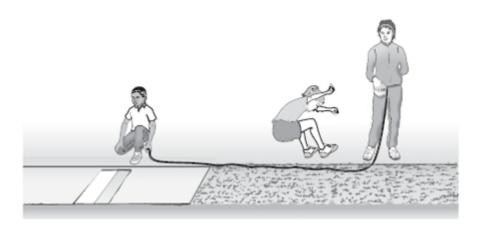
Kirsty ran a race in one and a half minutes.

Mina took 10 seconds longer.

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

seconds

1 mark



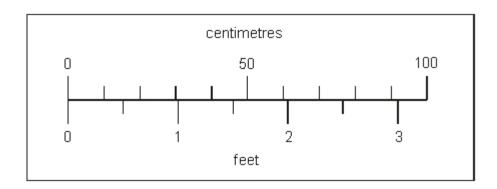
Seb made a jump of two and a half metres.

Kirsty's jump was 10 centimetres longer.

How long was Kirsty's jump?



This scale shows length measurements in centimetres and feet.



Not actual size

Look at the scale.

Estimate the number of centimetres that are equal to $2\frac{1}{2}$ feet.



1 mark

Estimate the difference in centimetres between 50 cm and $1\frac{1}{2}$ feet.

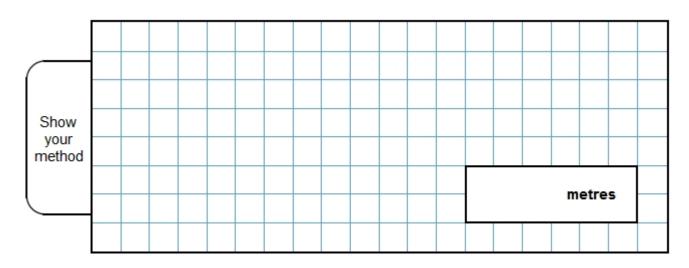




Holly makes a straight line of 5p coins worth £10



How long is Holly's line? Give your answer in **metres**.



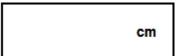
Freddie is half as tall as his mother.

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

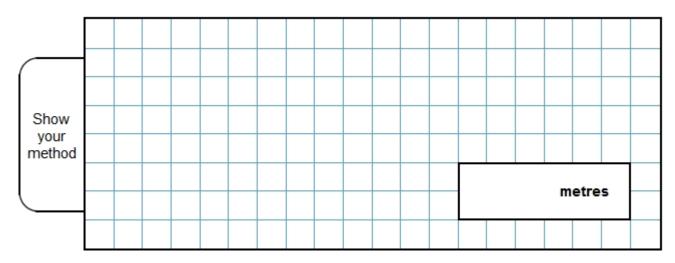
17

Jacob cuts 4 metres of ribbon into three pieces.

The length of the first piece is 1.28 metres.

The length of the second piece is **1.65** metres.

Work out the length of the third piece.



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

Mark schemes

1

Award **TWO** marks for the correct answer of 12.5

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

• 250 ÷ 20

OR

20 km is 1 cm
 100 km is 5 cm
 50 km is 2.5 cm
 5 cm + 5 cm + 2.5 cm

Answer need not be obtained for the award of **ONE** mark.

Do not accept incorrect proportions in any step without evidence of the calculation performed.

Up to 2m

[2]

2 .

Award TWO marks for the correct answer of 119.

If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g.

• $140 \div 20 = 7$ $3 \times 7 = 21$ 140 - 21

OR

• $140 \div 20 = 7$ 20 - 3 = 17 17×7

Answer need not be obtained for the award of **ONE** mark.

Up to 2m

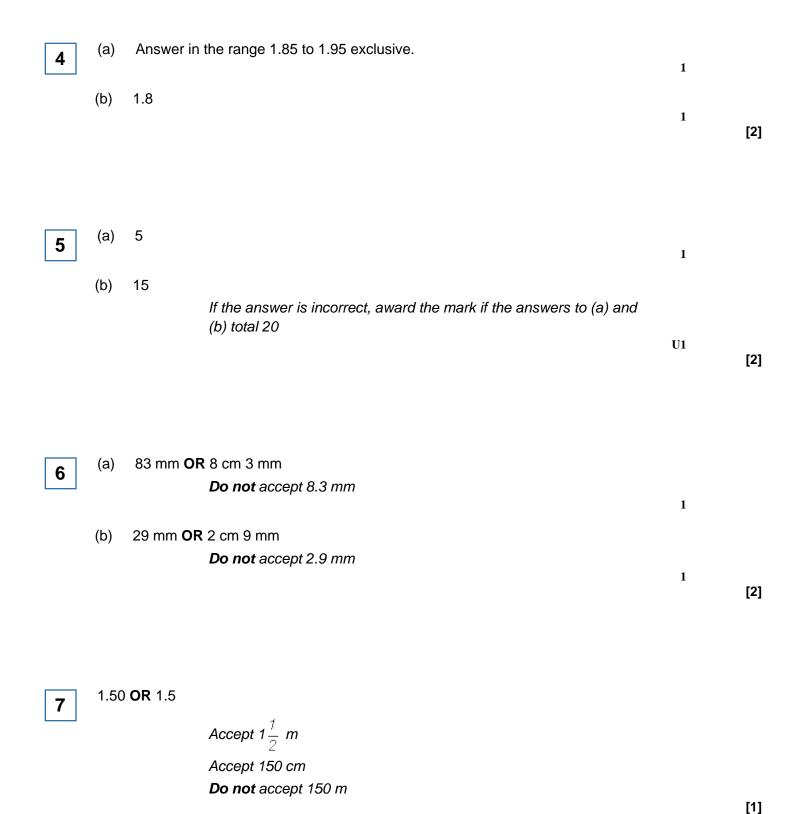
[2]

- 3
- (a) $1\frac{1}{2}$ **OR** 1.5

1

1

(b) '



Page 18 of 22

0
О

Two sentences ticked as shown:

timetres long.



Leah is 12 metres tall.



Jake's glass holds 12 litres of milk.



Kate's younger sister weights 12 kilograms.



Both answers must be ticked for the award of the mark.

Accept any other clear way of indicating the correct sentences, such as 'yes'.

[1]

9

Award **TWO** marks for the correct answer of 42

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg

$$18 - 10 = 8$$

$$10 + (4 \times 8) = \text{wrong answer}$$

OR

10, 18, 26, 34, wrong answer

Calculation must be performed for the award of **ONE** mark.

Up to 2

Award TWO marks for the correct answer of 54

If the answer is incorrect, award ONE mark for evidence of appropriate method, eg

- $153 (3 \times 15) = 108$
- 108 ÷ 2

Answer need not be obtained for the award of **ONE** mark.

Up to 2 (U1)

[2]

11 70

[1]

Award **TWO** marks for the correct answer of 39

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:

•
$$36 \div 3 = 12$$

 $36 \div 4 = 9$
 $12 + 9 + 9 + 9 = \text{wrong answer}$

OR

•



$$12 - 9 = 3$$

36 + 3 = wrong answer

Accept for **ONE** mark an answer of 42 supported by appropriate working, eg

$$36 + 3 + 3$$

Working must be carried through to reach an answer for the award of **ONE** mark.

Up to 2 (U1)

(a) 100 seconds

Answer must be in seconds.

Do not accept 1 minute 40 seconds.

1

(b) 260 cm **OR** 2.6 m

Accept 260 OR 2.6 OR 2 m 60 cm.

[2]

14

(a) Answer in the range 76 cm to 78 cm inclusive.

1

1

1

(b) Answer in the range 3 cm to 5 cm inclusive.

[2]

15

Award TWO marks for the correct answer of 3.6

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg:

• $10 \div 0.05 = 200$ $200 \times 1.8 = 360$ $360 \div 100$

OR

20 5p coins make £1
 200 5p coins make £10
 200 × 0.018

Answer must be in metres for the award of **TWO** marks.

Accept for ONE mark 360 centimetres.

If the answer is incorrect, accept for **ONE** mark an answer of 36 multiplied by any power of 10 with no evidence of an incorrect method.

Answer need not be obtained for the award of **ONE** mark.

[2]

16

160

U1

Up to 2

[1]

Award **TWO** marks for the correct answer of 1.07.

If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g.

• 1.28 + 1.65 = 2.934 - 2.93

OR

4 - 1.28 = 2.72
 2.72 - 1.65

OR

• 4 – 1.65 = 2.35 2.35 – 1.28

Accept for **ONE** mark an answer of 107 metres as evidence of an appropriate method.

Answer need not be obtained for the award of **ONE** mark.

Up to 2m

[2]

18 Award

Award **TWO** marks for all three values correct as shown:

<u>banana</u>

2cm 20cm 2mm 2m 20m

<u>apple</u>

2g 20kg 200kg **200g** 2kg

fruit juice

2ml 2l 20ml (200ml) 20l

If the answer is incorrect, award **ONE** mark for two correct measurements.

Accept alternative unambiguous indications, eg correct value filled in.

Up to 2m