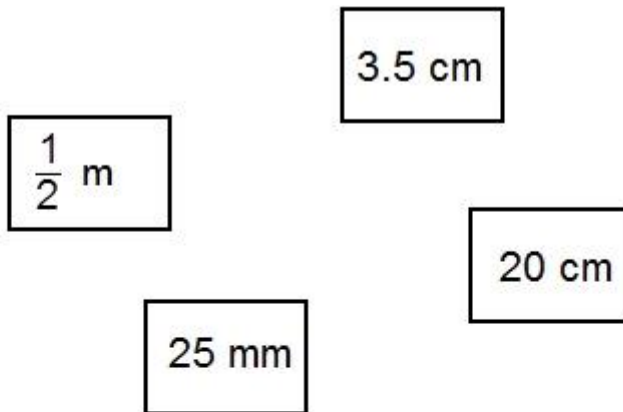


Q1.

Write these lengths in order, starting with the shortest.

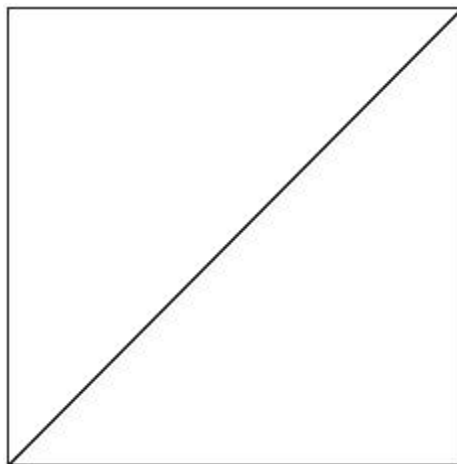


Four empty boxes for writing the lengths in order, starting with the shortest.

shortest

1 mark

Q2.



Measure accurately the length of the **diagonal** of this square.

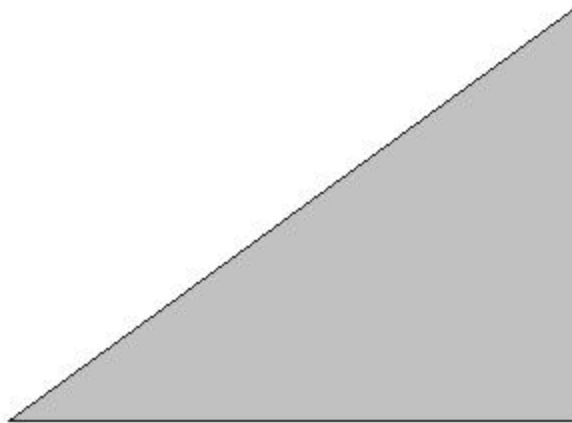
Give your answer in **centimetres**.

Box for writing the answer in centimetres.

cm

1 mark

Q3.



Measure accurately the length of the **shortest** side of this triangle. Write your answer in centimetres.

cm

1 mark

Q4.

Kate has a piece of ribbon **one metre** long.

She cuts off 30 centimetres.



How many centimetres of ribbon are left?

cm

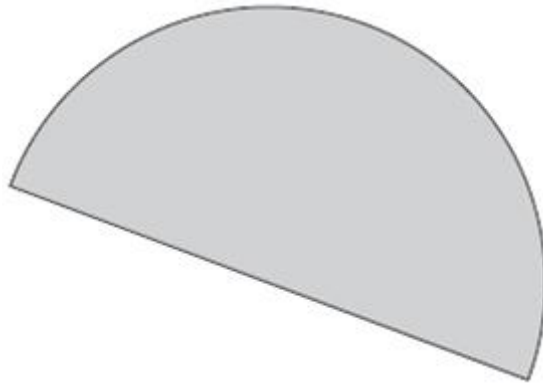
1 mark

Q5.

Here is a semi-circle.

Measure accurately the length of the straight edge.

Give your answer in **centimetres**.



cm

1 mark

Q6.

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?

cm

1 mark

Q7.

On the line below, mark the point that is 6.7 centimetres from A.

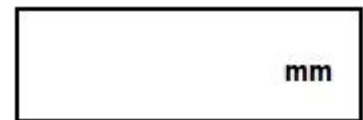
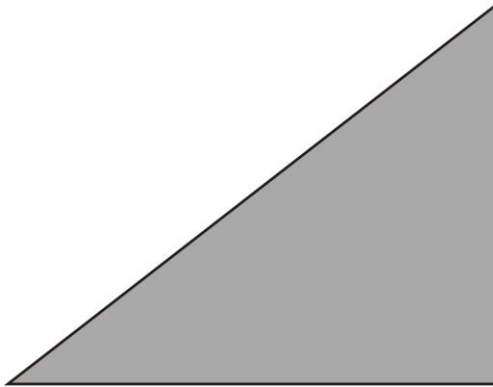


1 mark

Q8.

Measure **accurately** the **longest side** of this triangle.

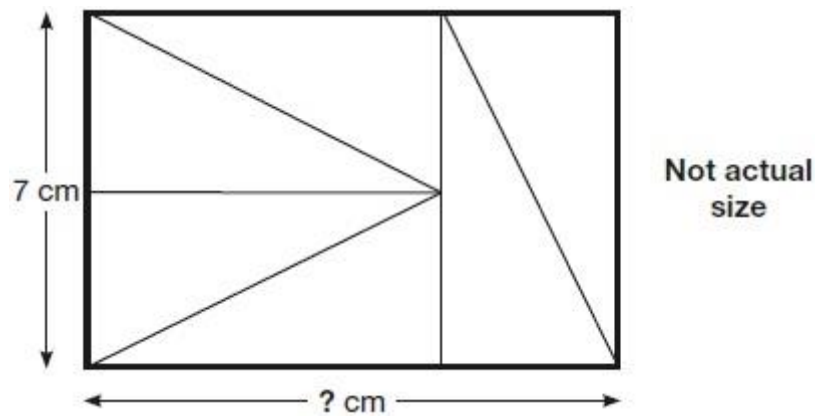
Give your answer in **millimetres**.



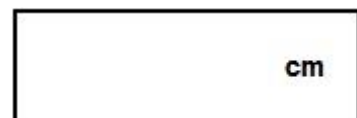
1 mark

Q9.

Six identical right-angled triangles are arranged to make a rectangle.



Calculate the **length** of the rectangle.



1 mark

Q10.

Measure this line.

Use a ruler.

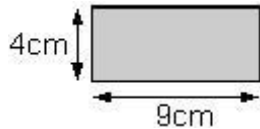


1 mark

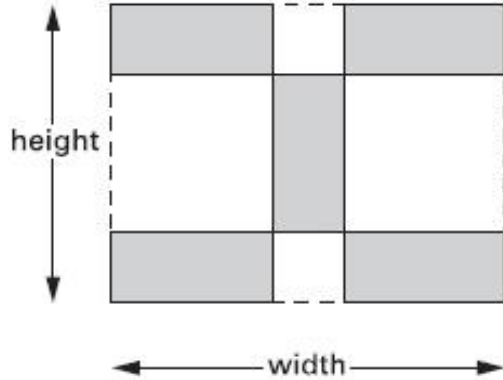
Q11.

Kim has some rectangular tiles.

Each one is **4 centimetres** by **9 centimetres**.



She makes a design with them.



Calculate the **width** and **height** of her design.

width = cm

Height = cm

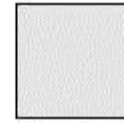
2 mark

Q12.

Mr Jones has two sizes of square paving stones.

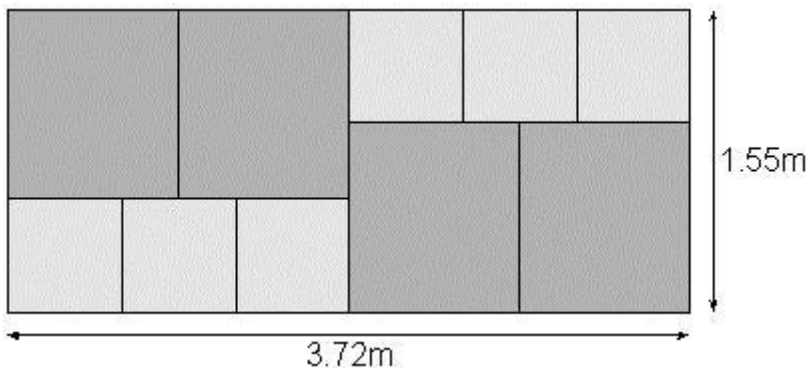


large



small

He uses them to make a path.



The path measures **1.55 metres** by **3.72 metres**.

Calculate the **width** of a **small paving stone**.

Show your method

2 mark

Q13.



Annie, Joe and Sam made paper chains.

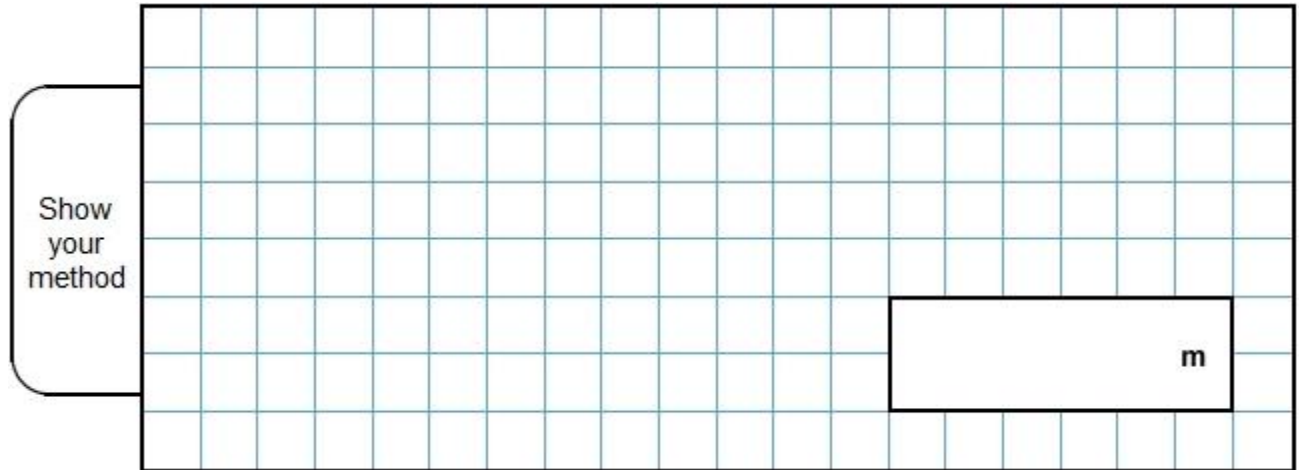
Altogether the paper chain measured 35 m.

Annie made 18 m.

Joe made 9 m.

How much did Sam make?

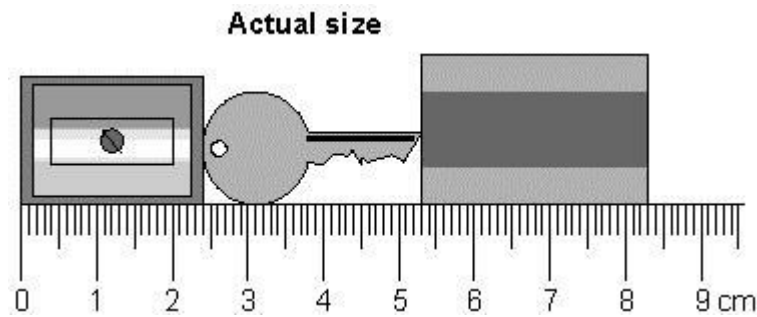
Show your method



2 marks

Q14.

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

1 mark

What is the length of the **key**?

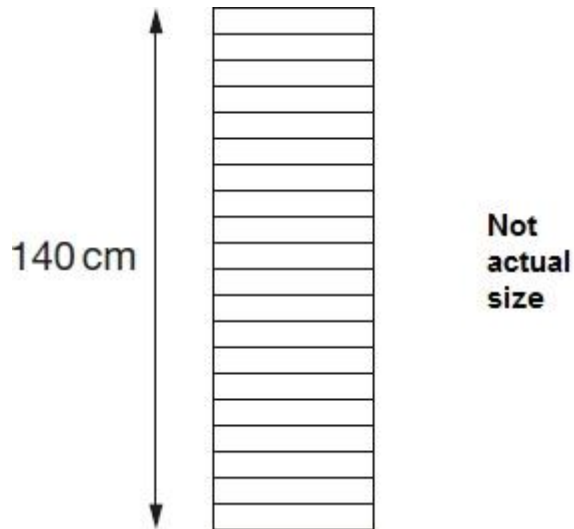
Give your answer in **millimetres**.

mm

1 mark

Q15.

A stack of 20 identical boxes is 140 cm tall.



Stefan takes **three** boxes off the top.

How tall is the stack now?

Show your method

cm

2 marks

Mark schemes

Q1.

Lengths written in correct order as shown:

25mm	3.5cm	20cm	$\frac{1}{2}$ m
------	-------	------	-----------------

*Accept use of equivalent units, eg
2.5 cm*

Accept answers with missing or incorrect units.

[1]

Q2.

Answer is teacher's measurement +/- 2 mm.

Accept $8\frac{1}{2}$ cm

[1]

Q3.

Answer is teacher's measurement +/- 2 mm.

Accept: $5\frac{1}{2}$ cm.

[1]

Q4.

70

[1]

Q5.

Answer is teacher's measurement +/- 2 mm.

*Accept fractions, eg $7\frac{1}{2}$
Answer must be in centimetres.*

[1]

Q6.

160

U1

[1]

Q7.

A point on the line in the range 6.6 cm to 6.8 cm inclusive from A.

[1]

Q8.

Answer is teacher's measurement +/- 2 mm.

Accept 7.9 to 8.3 cm provided 'cm' is written.

[1]

Q9.

10.5 (cm)

Accept $10\frac{1}{2}$

[1]

Q10.

6½ cm **OR** 6.5 cm **OR** equivalent.

Accept equivalent measurements, eg 65 mm

Accept an answer in the range 6.3 cm – 6.7 cm

[1]

Q11.

(a) width = 22

1

(b) height = 17

If the correct answers are transposed, award the mark for 16b only.

1

[2]

Q12.

Award **TWO** marks for the correct answer of 62 cm **OR** 0.62 m

Accept answers without units.

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

3.72 ÷ 6 **OR** 372 ÷ 6

Calculation need not be performed for the award of the mark.

OR 372 – 155 – 155

*Accept for **ONE** mark*

372 ÷ 4 = 93

up to 2

[2]

Q13.

Award **TWO** marks for the correct answer of 8 m

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

- $18 + 9 = 27$

$$35 - 27 =$$

OR

- $35 - 18 = 17$

$$17 - 9 =$$

[2]

Q14.

(a) 83 mm **OR** 8 cm 3 mm

Do not accept 8.3 mm

1

(b) 29 mm **OR** 2 cm 9 mm

Do not accept 2.9 mm

1

[2]

Q15.

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

- $140 \div 20 = 7$

$$20 - 3 = 17$$

$$17 \times 7$$

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

Up to 2m

[2]