

Lesson
1

Writing Length in Metres and Centimetres

In Focus

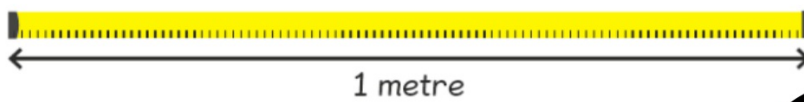
The length of the table is more than 1 metre.
What is the length of the table?



**You are going to measure your table.
What do you think would be a good
choice of equipment to use?**

Let's Learn

- 1 We use a tape measure to measure lengths longer than 1 metre.



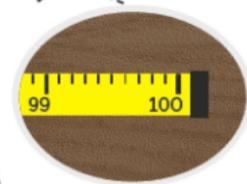
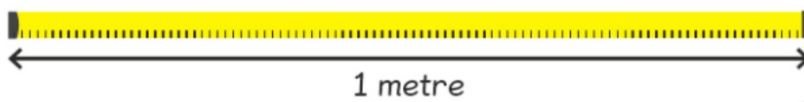
1 metre

How many cm are in 1m?



Let's Learn

- 1 We use a tape measure to measure lengths longer than 1 metre.



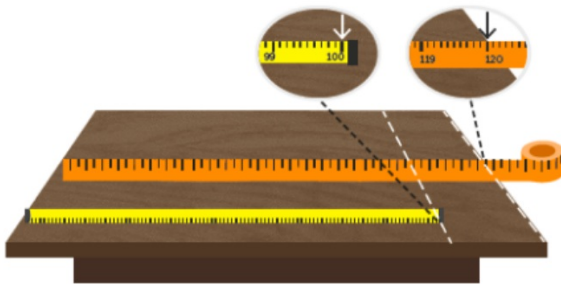
How many cm are in 1m?



1 m = 100 cm



2 What is the length of the table?

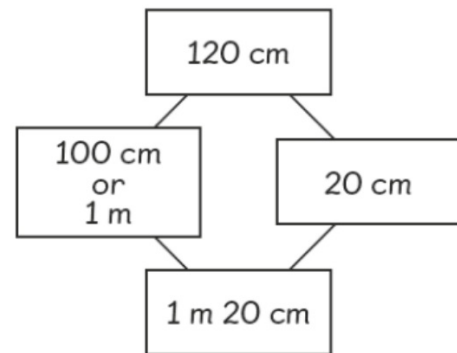


The length of the table is 120 cm.

$$120 \text{ cm} = 100 \text{ cm} + 20 \text{ cm}$$

$$= 1 \text{ m } 20 \text{ cm}$$

The length of the table is 1 m 20 cm.



Practical

Remember you need to start measuring from 0 cm.

If you have a tape measure at home, measure your table or bed.

_____ m and _____ cm



So there are 100cm in 1m but
how many mm are in 1cm?

Which is the smallest unit of
measurement?

Which is the largest unit of
measurement?

So there are 100cm in 1m
but how many mm are in
1cm?

10mm=1cm

Which is the smallest unit of
measurement?

mm

Which is the largest unit of
measurement?

1m

Right, let's have a go at converting some measurements.



1. $5\text{cm} = \underline{\hspace{1cm}}\text{mm}$

$10\text{mm} = 1\text{cm}$

2. $7\text{m} = \underline{\hspace{1cm}}\text{cm}$

3. $400\text{mm} = \underline{\hspace{1cm}}\text{cm}$

$100\text{cm} = 1\text{m}$

4. $800\text{cm} = \underline{\hspace{1cm}}\text{m}$

Right, let's have a go at converting some measurements.



1. $5\text{cm} = 50\text{mm}$

$10\text{mm} = 1\text{cm}$

2. $7\text{m} = 700\text{cm}$

$100\text{cm} = 1\text{m}$

3. $400\text{mm} = 40\text{cm}$

4. $800\text{cm} = 8\text{m}$

Guided Practice

- 1 What is the length of the sharpener in centimetres? cm

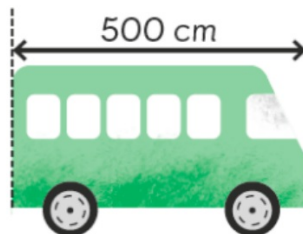


How many of these make 1 metre?



- 2 What is the length of the toy minivan in metres and centimetres?

m cm



How tall is the minivan?
Let's estimate.

Guided Practice

- 1 What is the length of the sharpener in centimetres? **2** cm

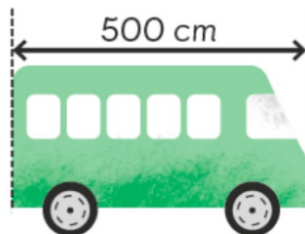


How many of these make 1 metre?



- 2 What is the length of the toy minivan in metres and centimetres?

5 m **500** cm



How tall is the minivan?
Let's estimate.

- 3 Arrange 6 books to form a long row on the floor.

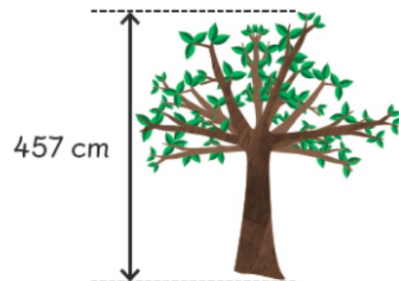


The length of the books is cm.

It is m cm long.

- 4 What is the height of the tree in metres and centimetres?

457 cm = m cm



- 3 Arrange 6 books to form a long row on the floor.

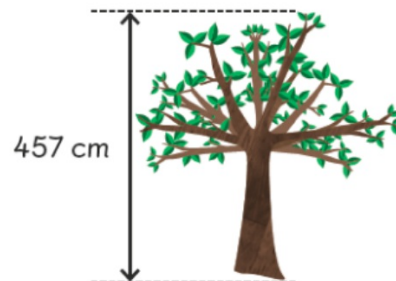


The length of the books is **150** cm.

It is **1** m **50** cm long.

- 4 What is the height of the tree in metres and centimetres?

457 cm = **4** m **57** cm

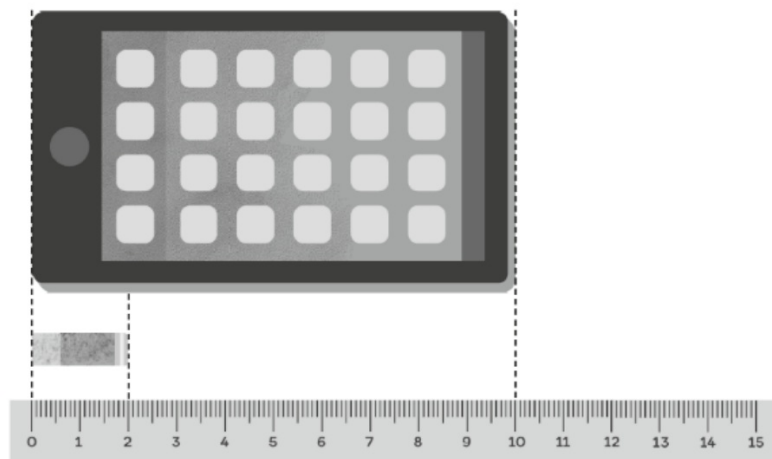


Worksheet 1

Writing Length in Metres and Centimetres

1 Fill in the blanks.

(a) What is the length of the rubber and the mobile phone in centimetres?



(i) The length of the rubber is cm.

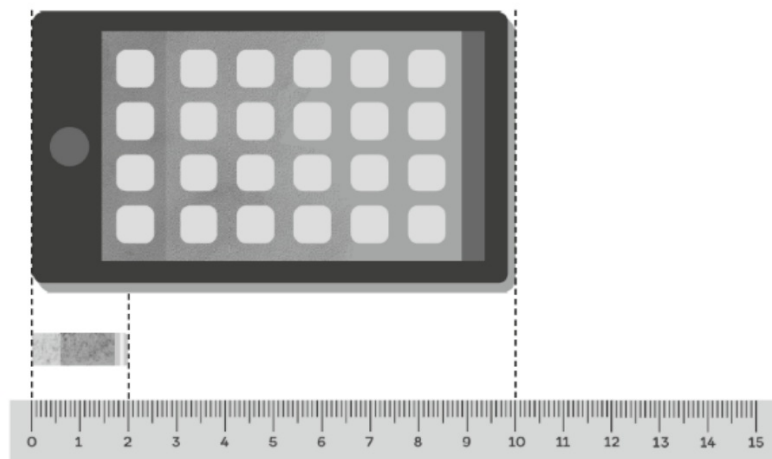
(ii) The length of the mobile phone is cm.

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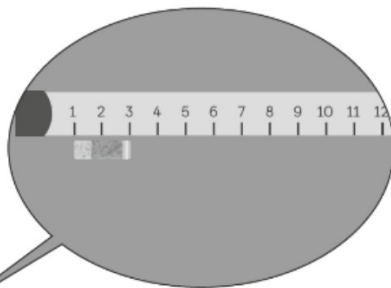
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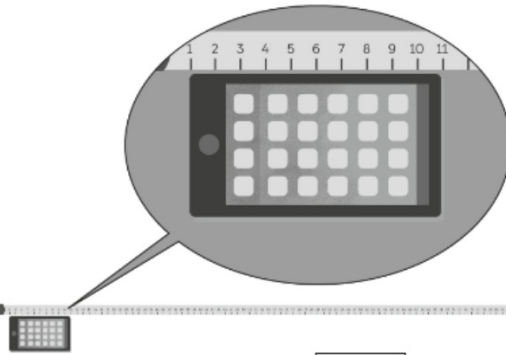
(ii) The length of the mobile phone is cm.

(b) How many rubbers are needed to make 1 metre?



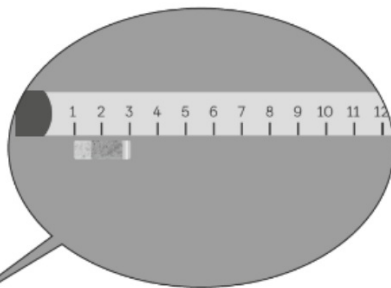
The 1-metre ruler is made up of rubbers.

(c) How many mobile phones are needed to make 1 metre?



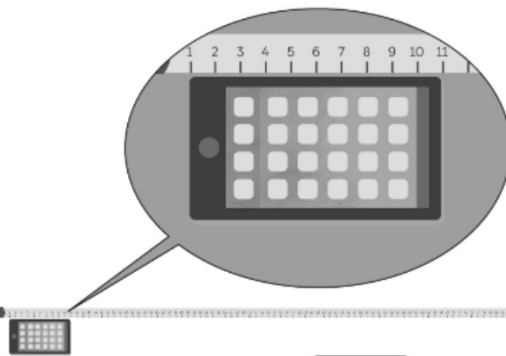
The 1-metre ruler is made up of mobile phones.

(b) How many rubbers are needed to make 1 metre?



The 1-metre ruler is made up of **50** rubbers.

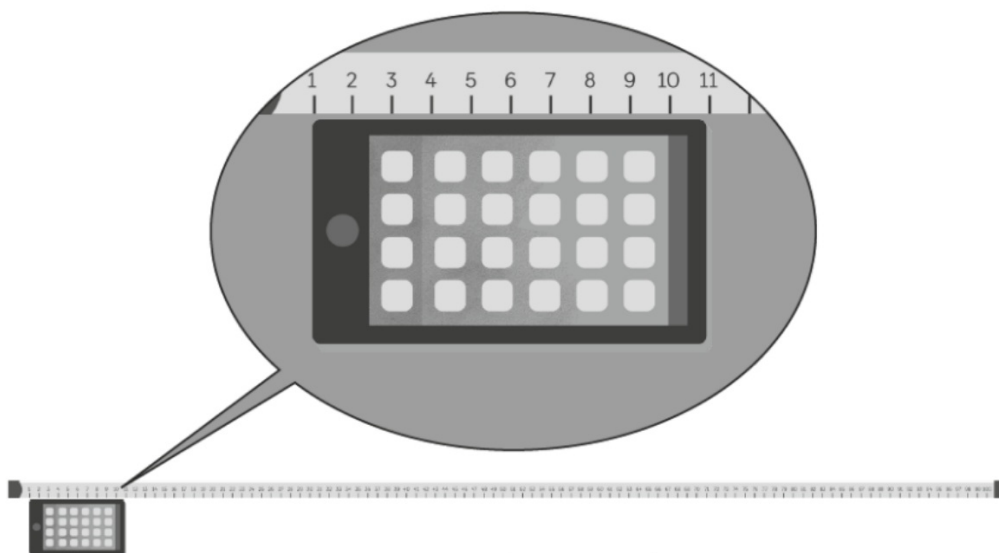
(c) How many mobile phones are needed to make 1 metre?



The 1-metre ruler is made up of **10** mobile phones.

Going Deeper

(c) How many mobile phones are needed to make 1 metre?

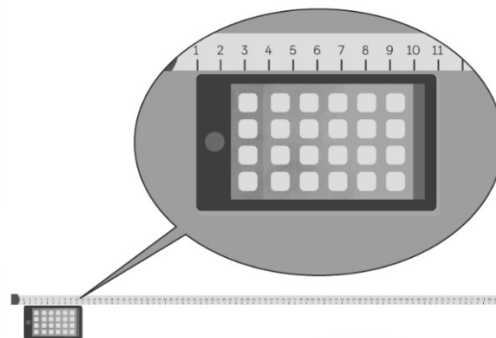


The 1-metre ruler is made up of mobile phones.

Explain how you know that this is correct.

Going Deeper

(c) How many mobile phones are needed to make 1 metre?



The 1-metre ruler is made up of **10** mobile phones.

Explain how you know that this is correct.

I know this because the mobile phone is 10cm long.

There are 100cm in 1m. $100 \div 10 = 10$