

LI: to understand units
of measurement.

18.03.20

Key vocab:

- Length
- Measure
- Metre (m)
- Centimetre (cm)
- Millimetre (mm)

LI: to understand units of measurement.

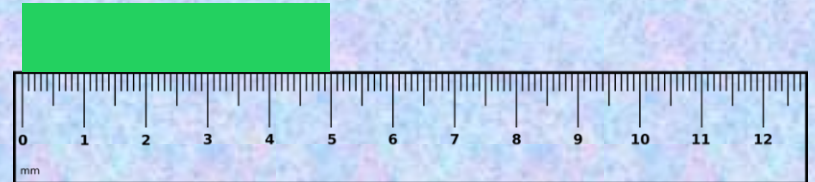
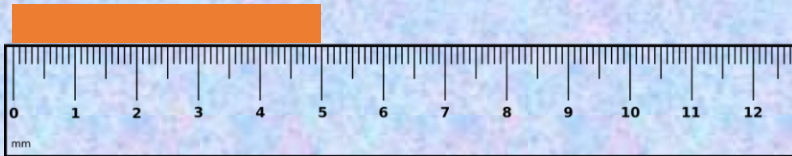
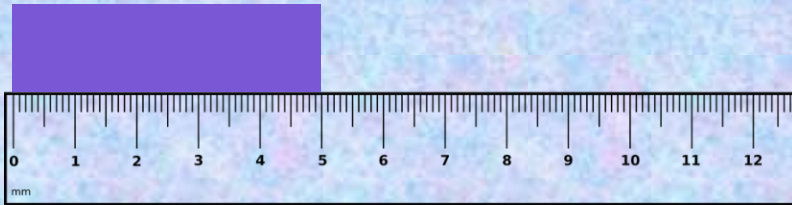
Fluency in 5! 😊

<https://www.topmarks.co.uk/maths-games/daily10>

- Choose what you are comfortable with!
- I usually click on Level 2, then choose a times table/group of times tables to focus on 😊
- We should all know $2x$, $5x$ and $10x$, but focus on these if you're still not confident,
- The main tables we should be focusing on are $3x$, $4x$ and $8x$ 😊

Starter:

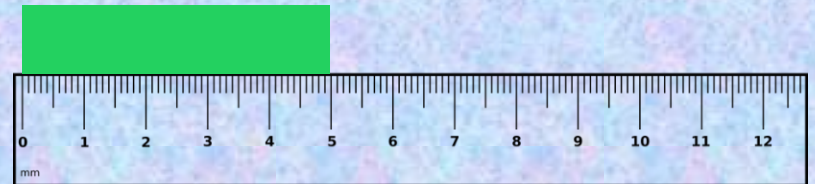
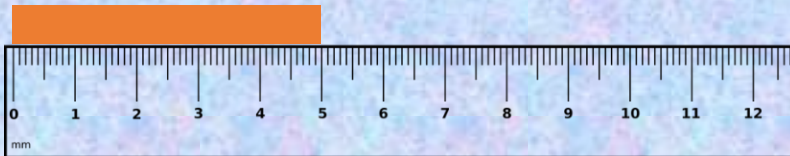
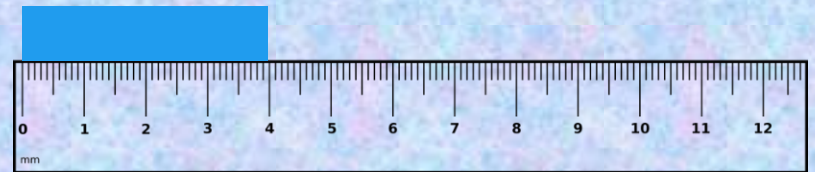
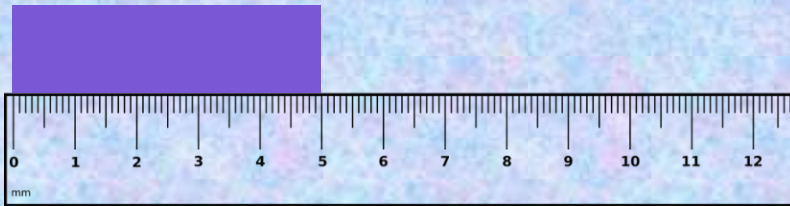
Which one doesn't belong?



Explain your answer.

Starter:

Which one doesn't belong?



The blue rectangle doesn't belong as it is 4cm.
Whereas the other rectangles are 5cm.

Discuss these units of measurements.
What is the difference between these
units?

METRES

M

CENTIMETRES

CM

MILLIMETRES

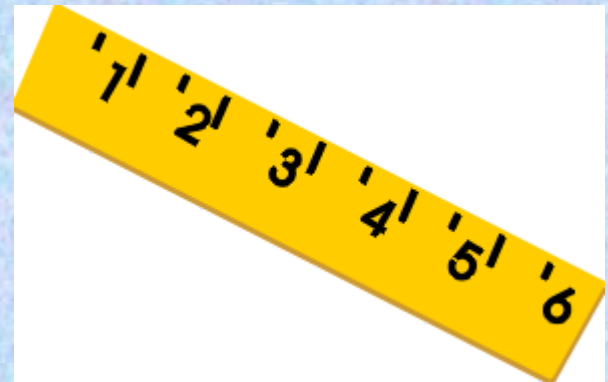
MM

Millimetre? Centimetre? Metre?

We can measure how long things are, or how tall they are, or how far apart they are,

Those are all examples of length measurements,

Can you think of other examples of things we measure?



Millimetre

The smallest commonly used unit of length is called a **millimetre**,

A **millimetre** is around the size of the width of a grain of rice,

When we write **millimetre**, we tend to write it as 'mm'



Centimetre

The next unit measurement up from a millimetre is a **centimetre**,

A **centimetre** is around the size of the width of a staple,

When we write **centimetre**, we tend to write it as 'cm'



Metre

A bigger unit of measurement than a centimetre is a **metre**,

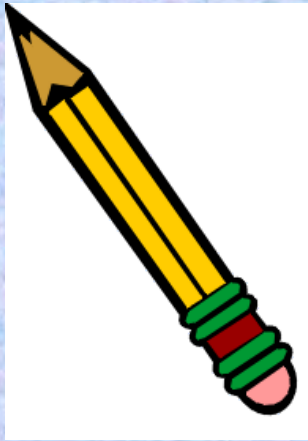
A **metre** is around the length of a guitar,

When we write **metre**,
we tend to write it as 'm'



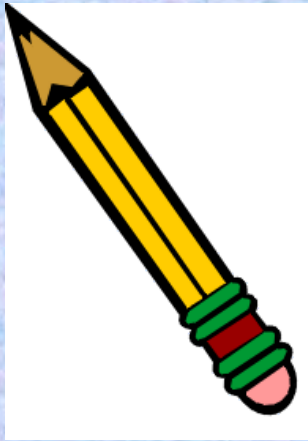
What unit of the measurement would you use to measure these objects?

mm, cm or m?

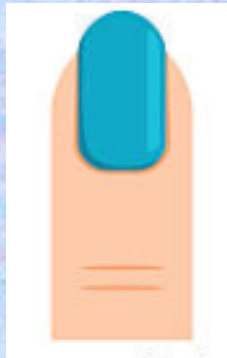


What unit of the measurement would you use to measure these objects?

mm, cm or m?

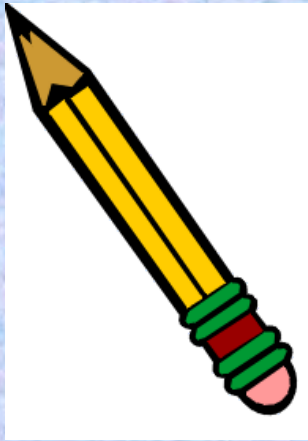


cm



What unit of the measurement would you use to measure these objects?

mm, cm or m?



cm

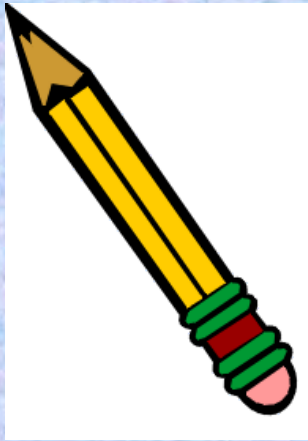


mm



What unit of the measurement would you use to measure these objects?

mm, cm or m?



cm



m

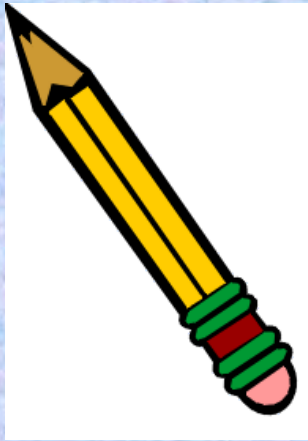


mm



What unit of the measurement would you use to measure these objects?

mm, cm or m?



cm



m

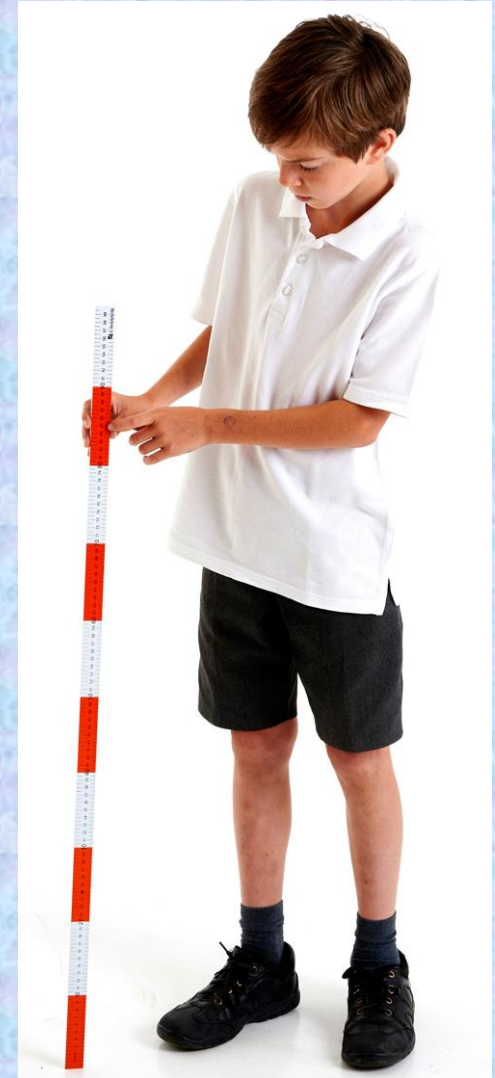
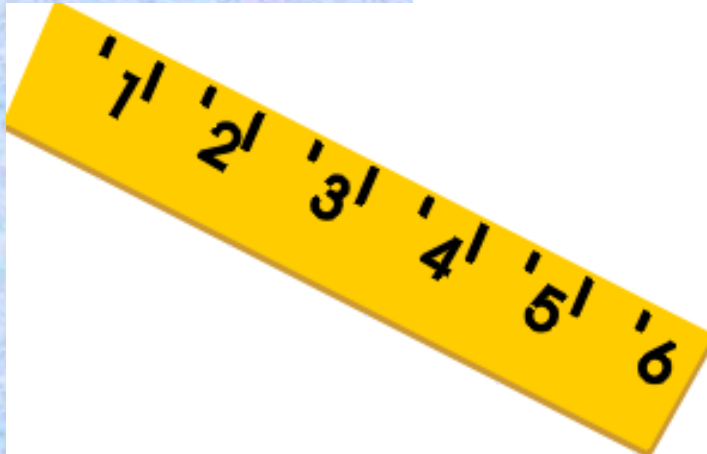
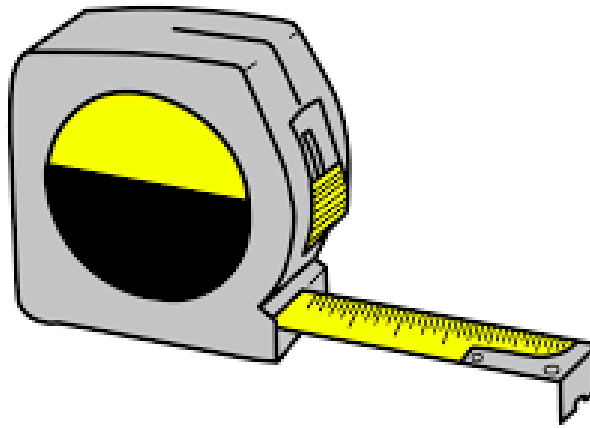


mm



cm

What can we use to measure length?



Everyone have a look at your ruler...

What do you notice about the very beginning of your ruler?

Why is there a small gap between the beginning and the 0?

Rulers can wear around the edges when they are used a lot, so if 0 was at the very edge of the ruler, after a while we wouldn't be able to see it or measure as accurately!

Class task!

Here is a table with all of your names on,

Your challenge is to measure the length of your hand (from the bottom of your hand to the top of your middle finger), and fill in the box next to your name,

You will be measuring in **cm** so you will use a ruler to measure your hands,

Class task!

Once you have done this, write the following in your book:

My hand 17cm

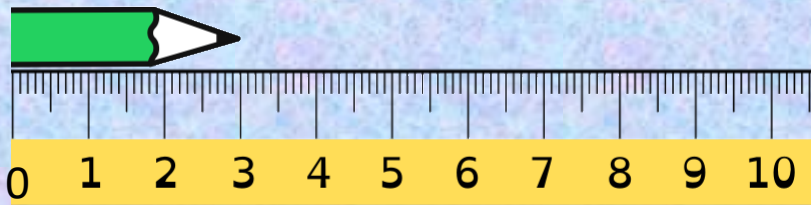
Then choose a friend to write in your book and write down their name and hand length,

Then work out who's hand is the biggest using $<$ $>$ $=$

Example: My hand 17cm $>$ Mary's hand 14cm

Talking Time:

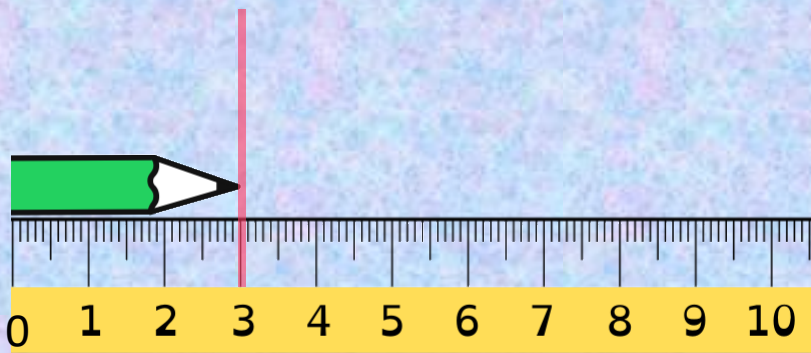
How long is the pencil?



The pencil is __ cm long.

Talking Time:

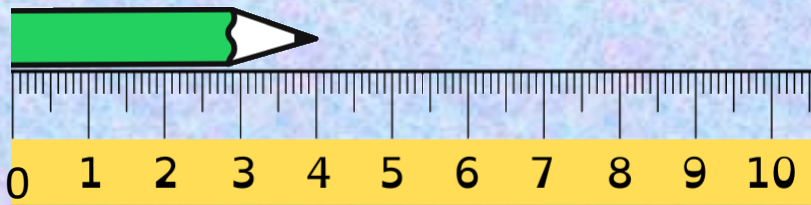
How long is the pencil?



The pencil is 3 cm long.

Talking Time:

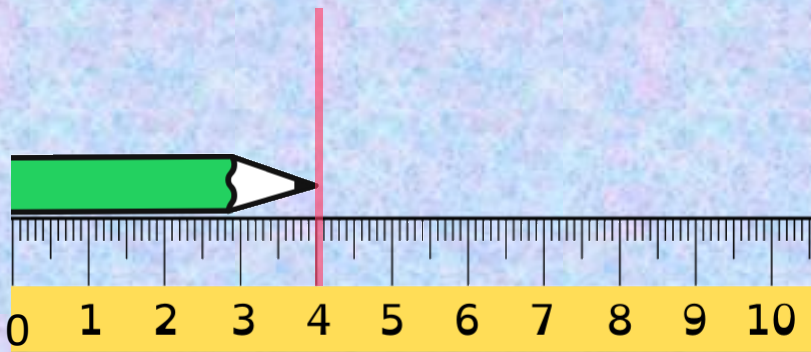
How long is the pencil?



The pencil is __ cm long.

Talking Time:

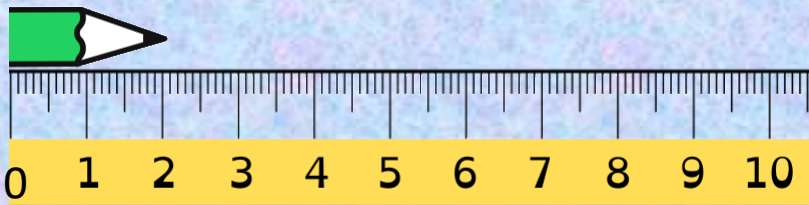
How long is the pencil?



The pencil is 4 cm long.

Talking Time:

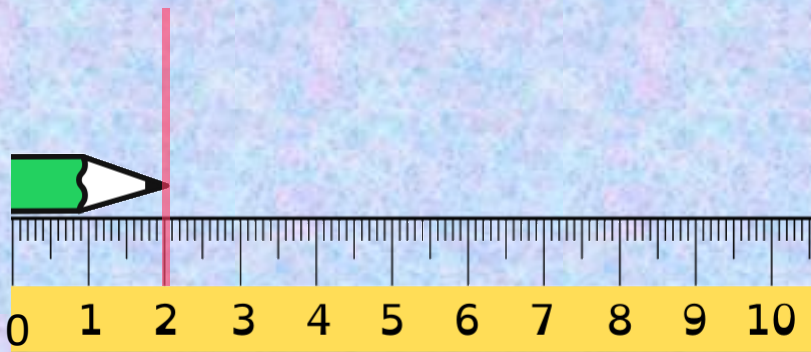
How long is the pencil?



The pencil is __ cm long.

Talking Time:

How long is the pencil?



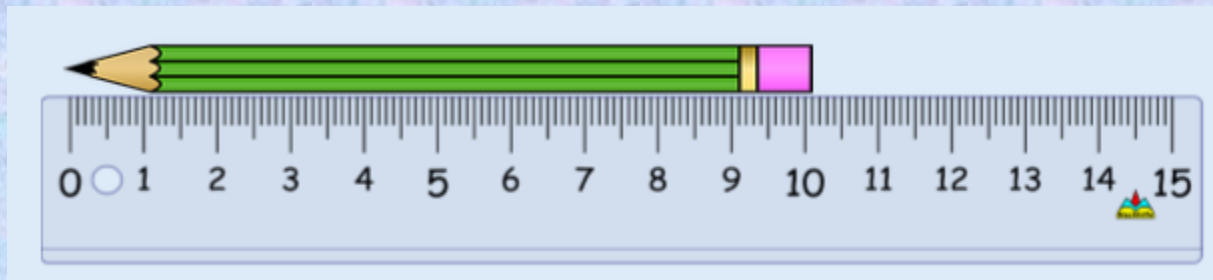
The pencil is 2 cm long.

What is the length of each pencil?

1.



2.



3.



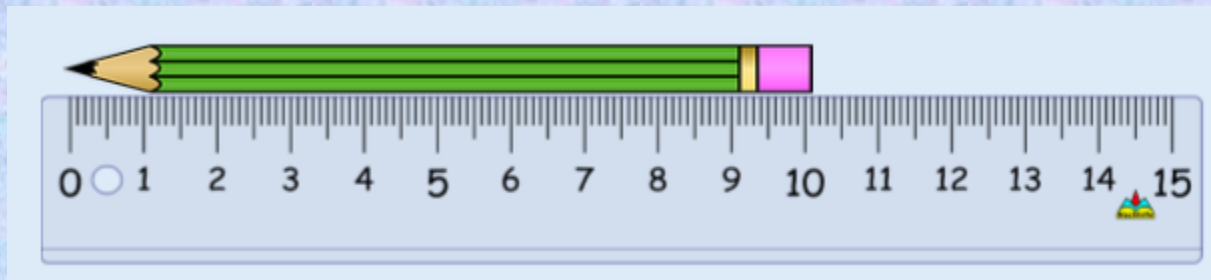
What is the length of each pencil?

1.



7cm

2.



3.



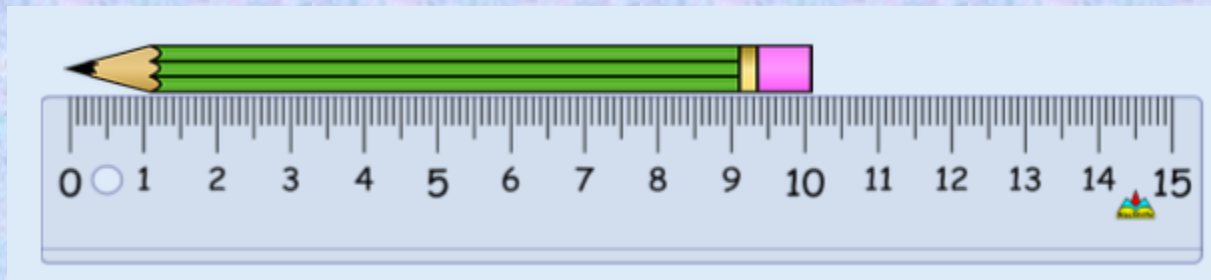
What is the length of each pencil?

1.



7cm

2.



10cm

3.



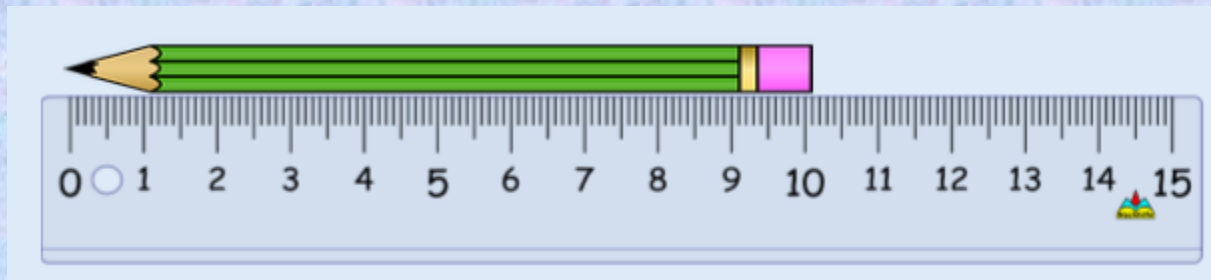
What is the length of each pencil?

1.



7cm

2.



10cm

3.



4.5cm

Task time!

And a
challenge
at the
front of
the
classroom!

Draw lines in your book to the following lengths:

- 1) 9cm
- 2) 4cm
- 3) 13cm

Make sure to label your lines with the correct lengths.

Draw a line 3cm shorter than the length of your hand.

Draw a line 6cm longer than the length of your hand (you may have to draw this down the page rather than across).

Make sure you label these.

Measure in mm, cm, m?

1. A carrot
2. A lion
3. A volcano



Look back at the class hand measurements on the board.

- 1) What was the most common length?
- 2) Does anybody have a length that no one else has? Who?

End of lesson quiz!

Which unit of measurement is the size of a staple?

Millimetre

Centimetre

Metre

End of lesson quiz!

Which unit of measurement is the size of a staple?

Millimetre

Centimetre

Metre

End of lesson quiz!

Which unit of measurement is the size of the width of a grain of rice?

Millimetre

Centimetre

Metre

End of lesson quiz!

Which unit of measurement is the size of the width of a grain of rice?

Millimetre

Centimetre

Metre

End of lesson quiz!

Which unit of measurement is the size of the length of a guitar?

Millimetre

Centimetre

Metre

End of lesson quiz!

Which unit of measurement is the size of the length of a guitar?

Millimetre

Centimetre

Metre

End of lesson quiz!

Who has the longest hand in
Year 3?

Look back at the table to help you!

