

LI: to understand the
difference between cm
and m.

19.03.20

Key words:

- Centimetre (cm)
- Metre (m)
- Equivalent
- Convert

LI: to understand the difference between cm and m.

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 $8x$ 😊

Recap:

A millimetre (mm) is about the size of...

A centimetre (cm) is about the size of...

A metre (m) is about the size of...

Recap:

A millimetre (mm) is about the size of...



A centimetre (cm) is about the size of...

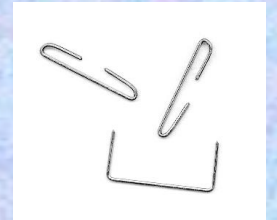
A metre (m) is about the size of...

Recap:

A millimetre (mm) is about the size of...



A centimetre (cm) is about the size of...



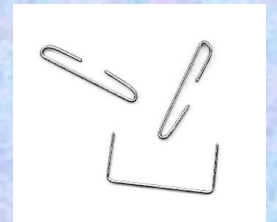
A metre (m) is about the size of...

Recap:

A millimetre (mm) is about the size of...



A centimetre (cm) is about the size of...

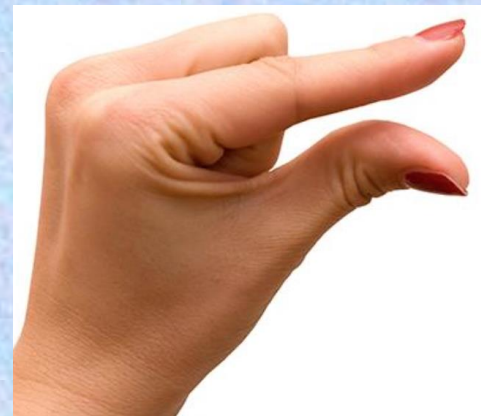


A metre (m) is about the size of...



How close can you get your thumb
and your index finger without them
touching??

This is the size of a millimetre (m)



Look at the width across one of
your fingers,

This is the size of a centimetre
(cm)



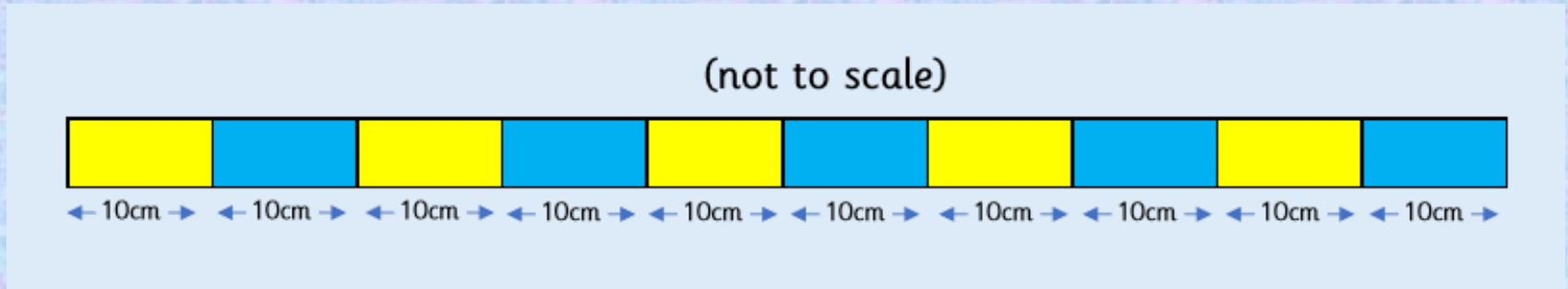
Stand up and find a clear space to stand,

Take one *GIANT* (sensible) step,

This is the size of a metre (m)



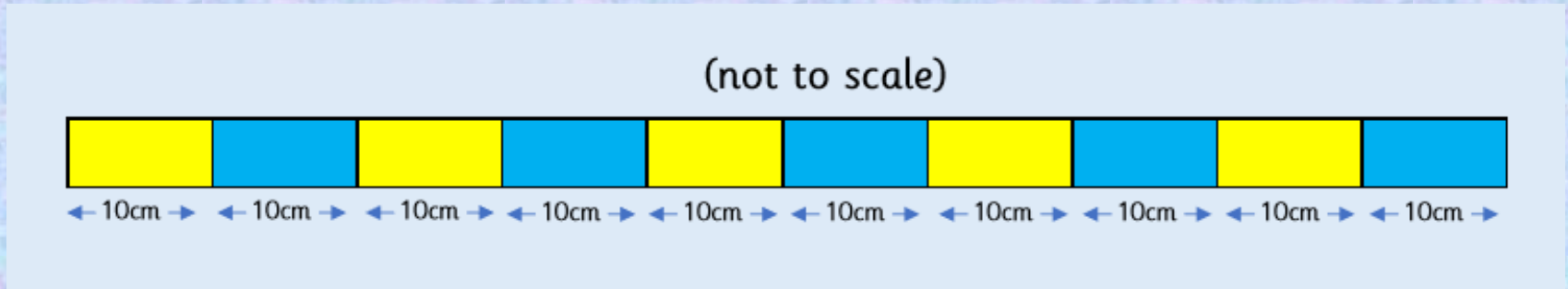
This is a metre stick. It is one metre.



Can you work out how many **cm** one whole metre stick has?

1m = cm

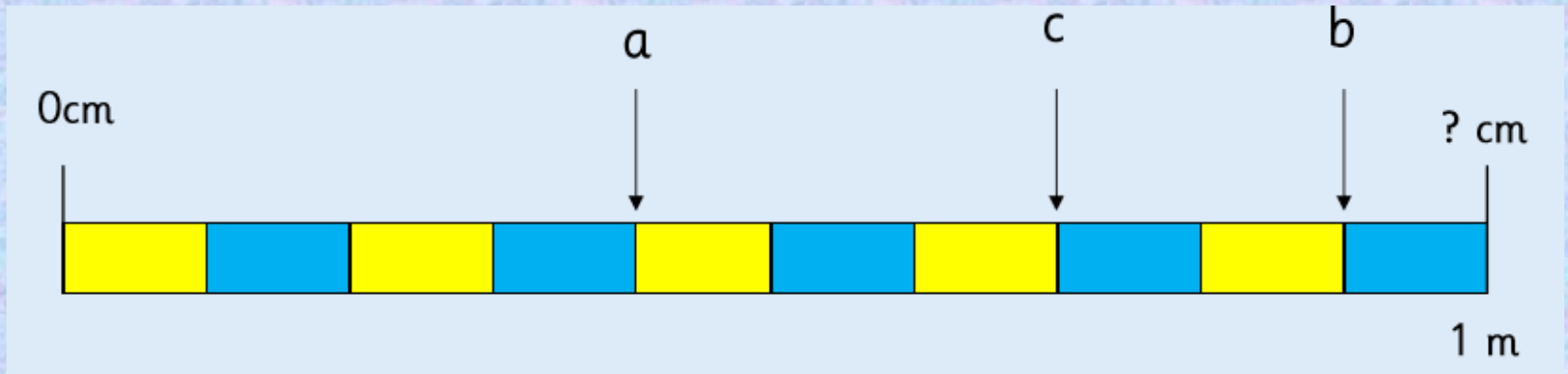
This is a metre stick. It is one metre.



Can you work out how many **cm** one whole metre stick has?

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

Use the metre stick to help you fill in
the blanks: (not to scale)



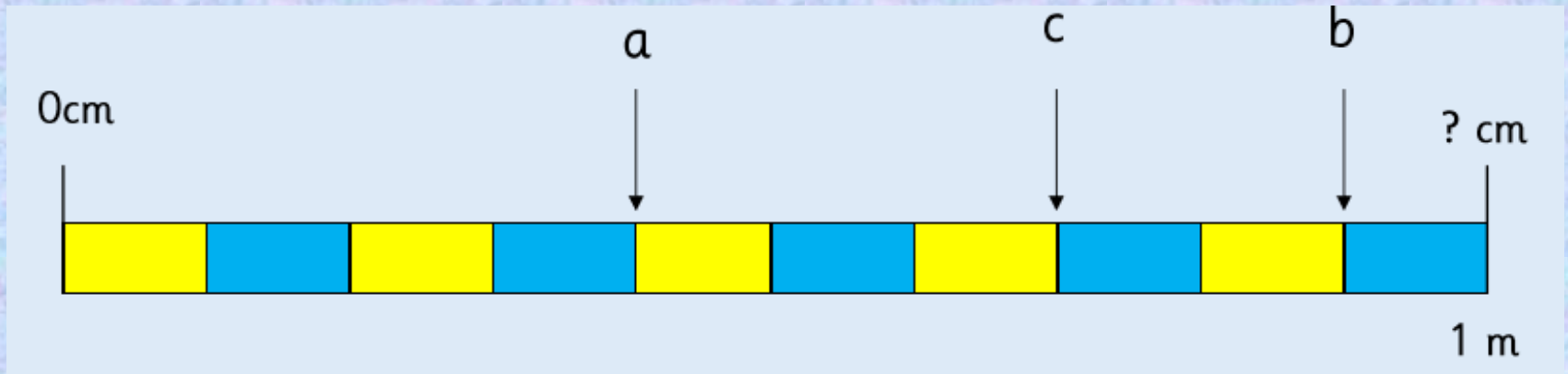
$$1\text{m} = \underline{\hspace{2cm}} \text{cm}$$

$$b = \underline{\hspace{2cm}} \text{cm}$$

$$a = \underline{\hspace{2cm}} \text{cm}$$

$$c = \underline{\hspace{2cm}} \text{cm}$$

Use the metre stick to help you fill in
the blanks: (not to scale)



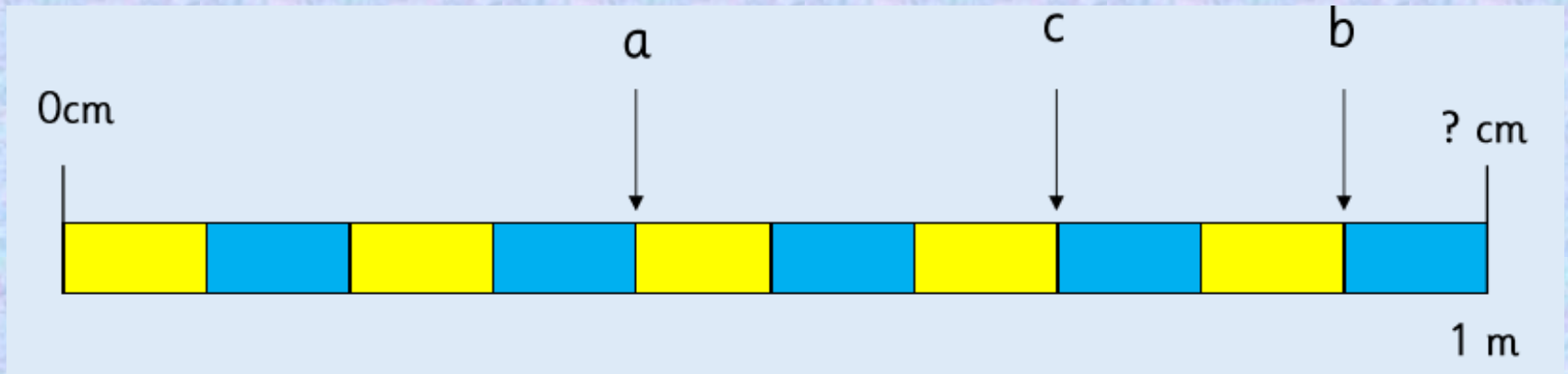
$$1\text{m} = \underline{100} \text{ cm}$$

$$b = \underline{\quad\quad\quad} \text{ cm}$$

$$a = \underline{\quad\quad\quad} \text{ cm}$$

$$c = \underline{\quad\quad\quad} \text{ cm}$$

Use the metre stick to help you fill in
the blanks: (not to scale)



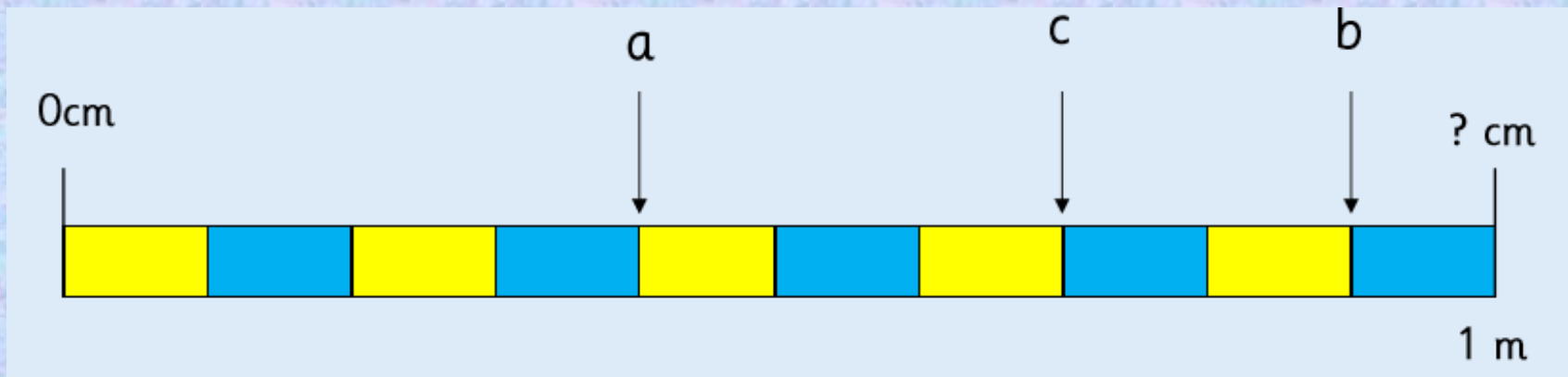
$$1\text{m} = \underline{100} \text{ cm}$$

$$b = \underline{\quad\quad\quad} \text{ cm}$$

$$a = \underline{40} \text{ cm}$$

$$c = \underline{\quad\quad\quad} \text{ cm}$$

Use the metre stick to help you fill in
the blanks: (not to scale)



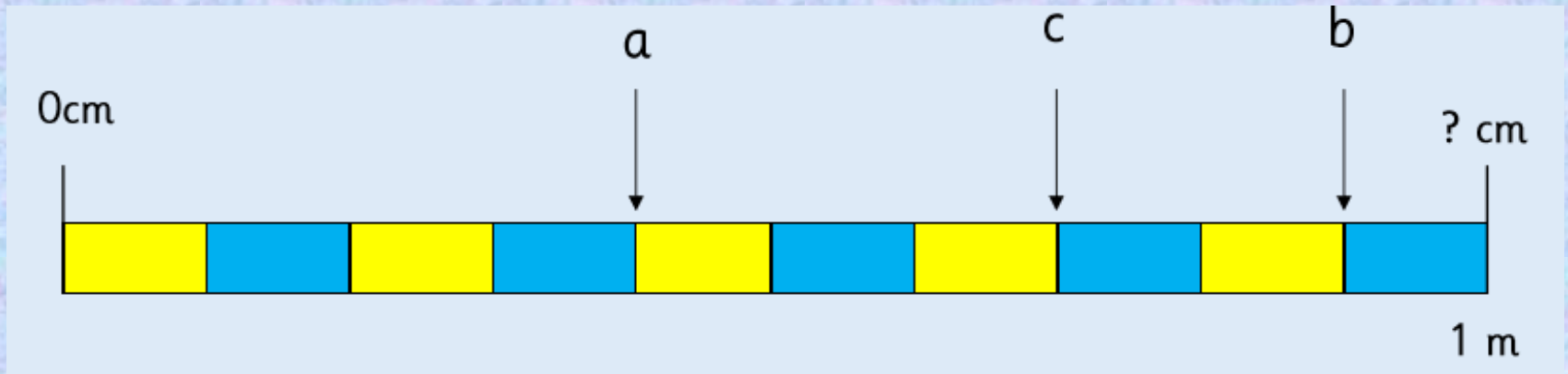
$$1\text{m} = \underline{100} \text{ cm}$$

$$b = \underline{90} \text{ cm}$$

$$a = \underline{40} \text{ cm}$$

$$c = \underline{\quad\quad} \text{ cm}$$

Use the metre stick to help you fill in
the blanks: (not to scale)



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

$$b = \underline{90} \text{ cm}$$

$$a = \underline{40} \text{ cm}$$

$$c = \underline{70} \text{ cm}$$

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

$2\text{m} = \underline{\hspace{2cm}} \text{cm}$

$8\text{m} = \underline{\hspace{2cm}} \text{cm}$

$10\text{m} = \underline{\hspace{2cm}} \text{cm}$

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

$$2\text{m} = \underline{200} \text{ cm}$$

$$8\text{m} = \underline{\hspace{2cm}} \text{ cm}$$

$$10\text{m} = \underline{\hspace{2cm}} \text{ cm}$$

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

$$2\text{m} = \underline{200} \text{ cm}$$

$$8\text{m} = \underline{800} \text{ cm}$$

$$10\text{m} = \underline{\hspace{2cm}} \text{ cm}$$

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

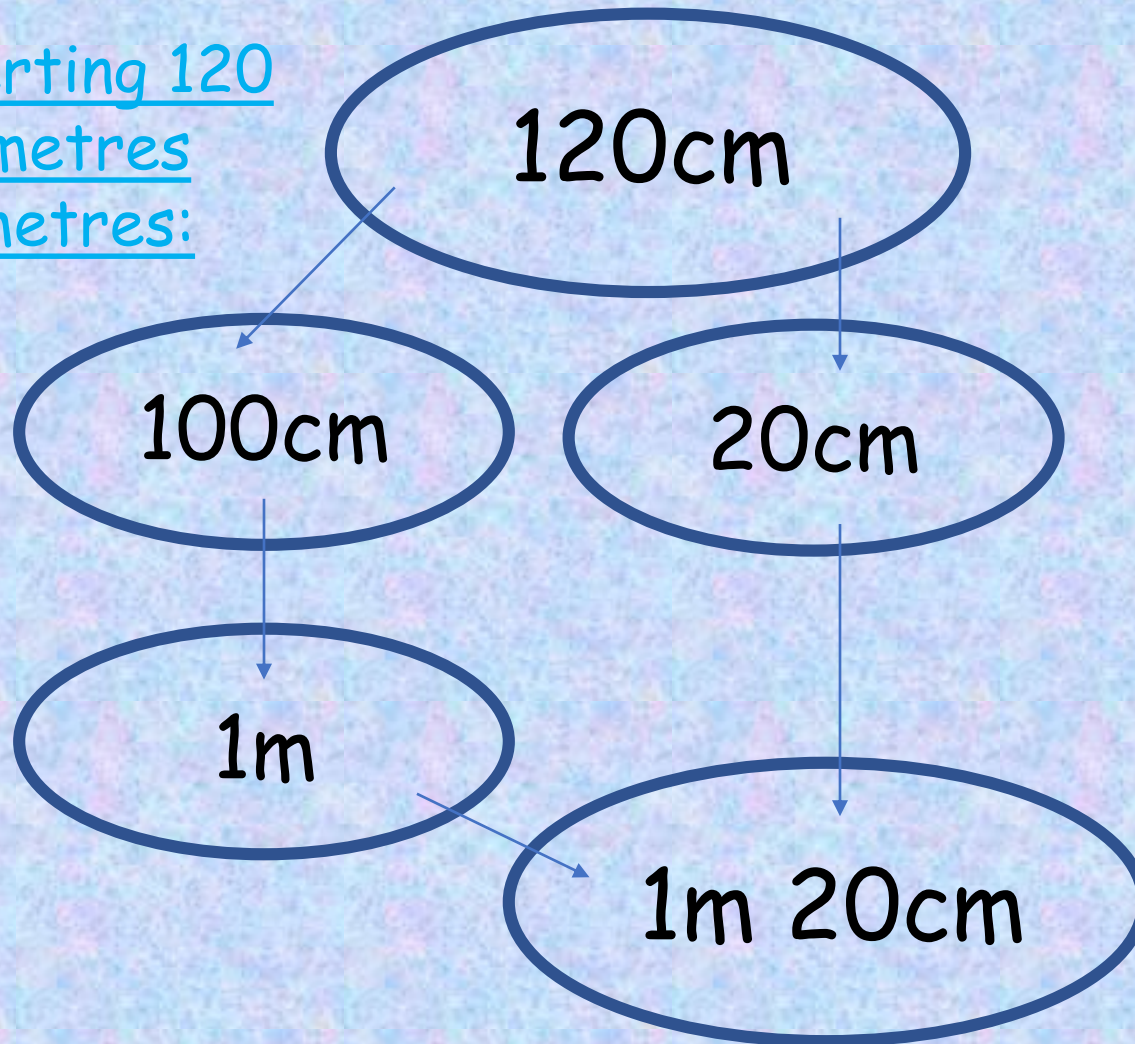
$$2\text{m} = \underline{200} \text{ cm}$$

$$8\text{m} = \underline{800} \text{ cm}$$

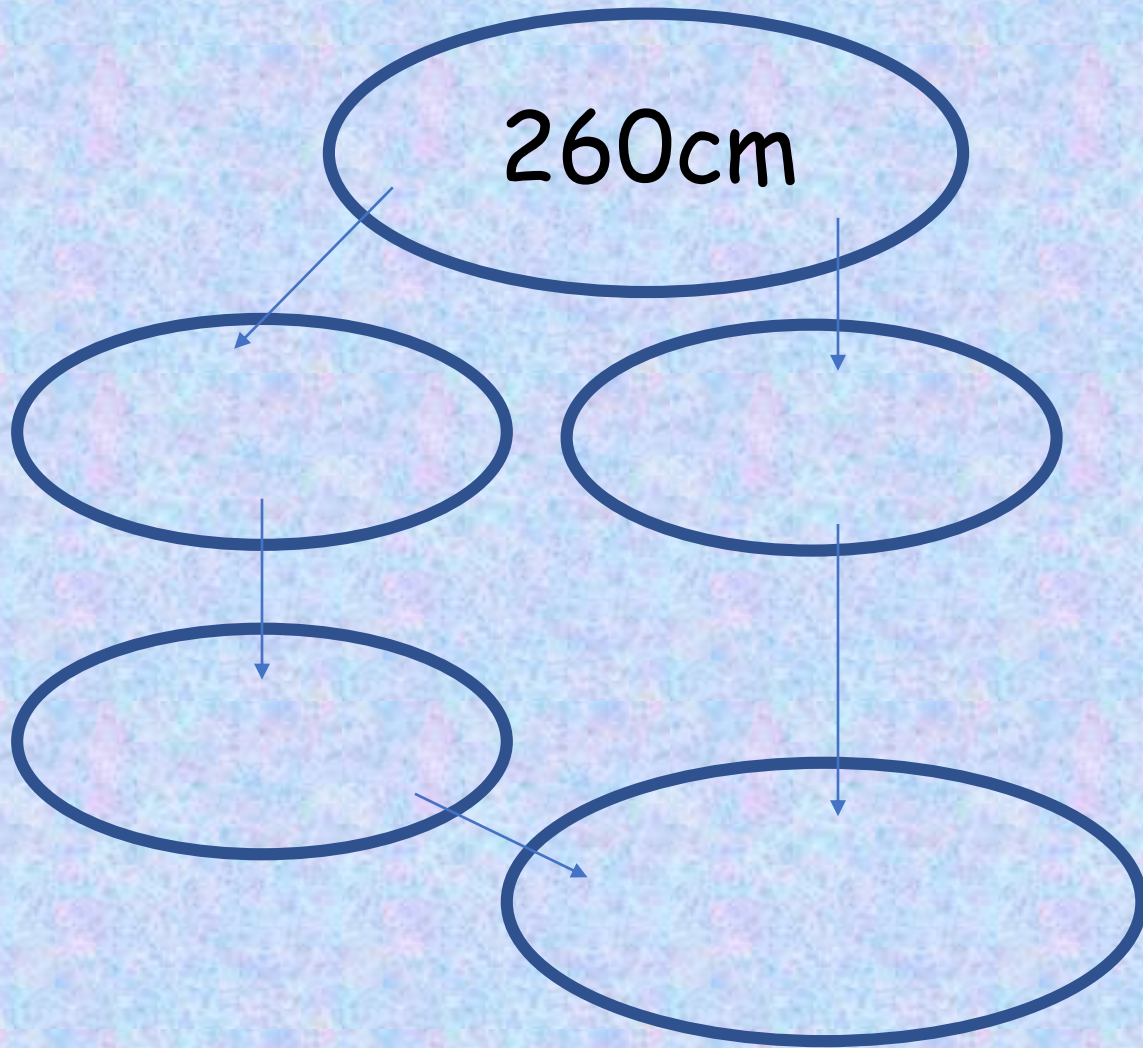
$$10\text{m} = \underline{1000} \text{ cm}$$

We can convert measurements in different ways.

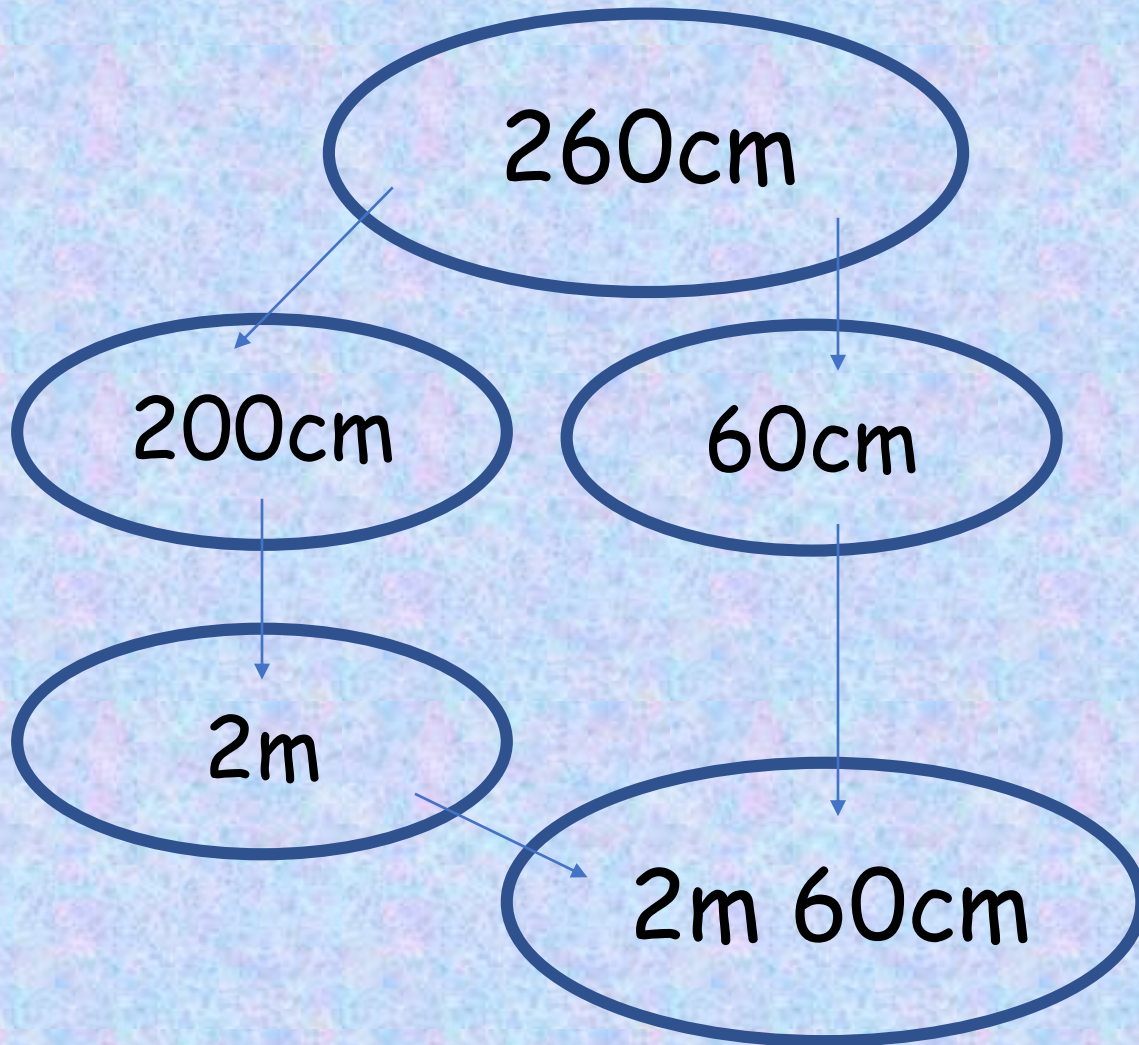
Converting 120 centimetres into metres:



Let's try one on our boards!



Let's try one on our boards!



Task time:

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

Can you match up the equivalent measurements?

8m

100cm

600cm

800cm

4m

6m

1 metre

400
centimetres

Amanda says that 4m is the same as 400mm.

Mark says Amanda is wrong. Who is right?

Explain your answer.

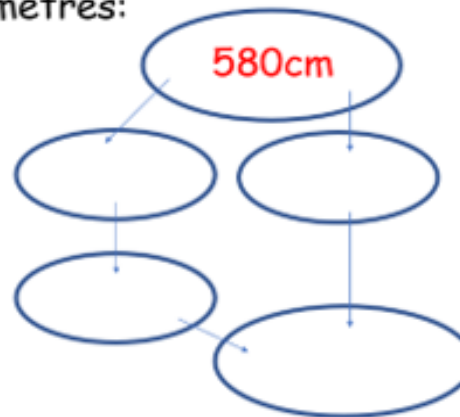
And a
challenge
and super
challenge at
the front of
the
classroom!

Mary throws a tennis ball, a basketball and a frisbee and measures how far they go.

Tennis ball	900cm
Basketball	8m
Frisbee	1000cm

Put the three objects in order from longest to shortest.

Convert 580 centimetres into metres:



Before moving on to the challenge:

20cm

2m

9m

9cm

460cm

4m 6cm

100m

1cm

750cm

75m

1cm

1m

26cm

2m 6cm

7m

700cm

Use < > or =
to answer
these
statements

Recap!

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

If you convert 340cm to m, you would have

3m 40cm

Which is bigger? 1cm or 1m?

1m

Would you use metres, centimetres or millimetres to measure:

- a) an eyelash?
- b) a toenail?
- c) a leg?
- d) the height of a sports hall?
- e) the height of a chair?
- f) the length of a swimming pool?