

Maths

Week Beginning 4th May

How to measure

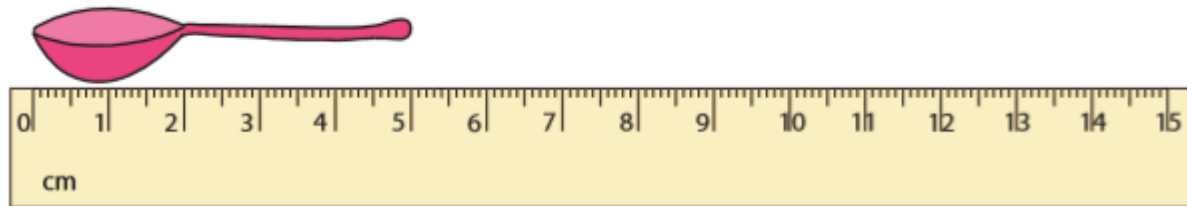
- How to measure in cm's
- Watch this video
- https://www.youtube.com/watch?v=c4zZYGms_AQ
- How to measure in cm's and mm's
- <https://www.youtube.com/watch?v=GbOu0d18mSg>
- Watch this up to 6minutes and 30 seconds

Can you measure some items

- If you have a ruler in your house. Can you go and measure 5 different items then get an adult to check your measurement.
- Draw 5 different sized lines then have a go at measuring them.
- If you do not have a ruler then have a look at the following rulers and measure the object or if can have a printer you can download the sheet that has a ruler printed on it.

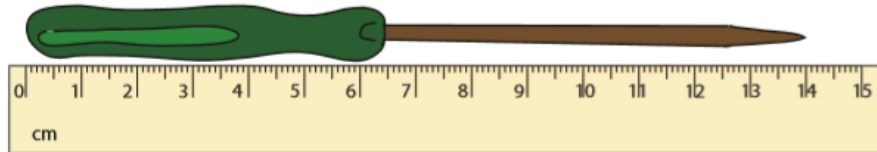
What is the measurement of these items

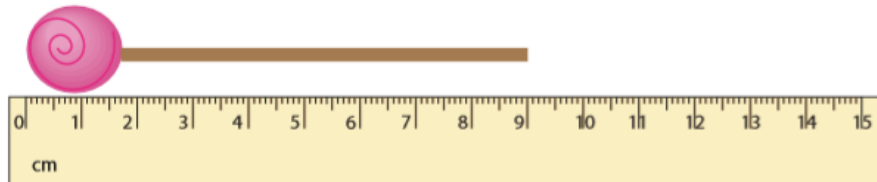




If each items was 2.3cm or 23mm longer. What size would they both be now?

What is the length of these items?

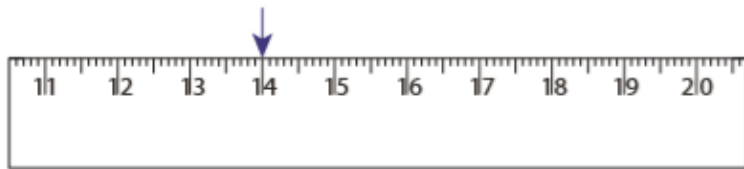




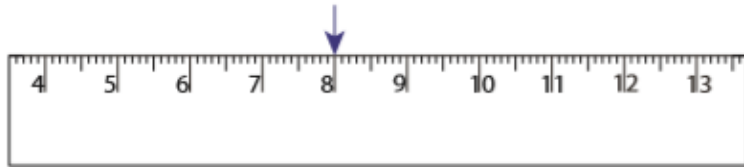


What is the length of these items if each one was 5.8cm or 58mm longer?

What position is the pointer pointing at?



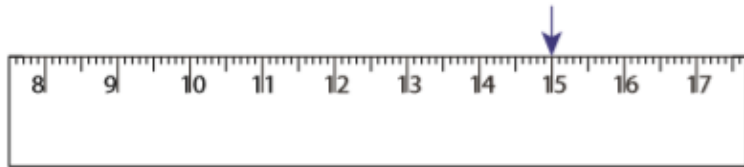
_____ cm



_____ cm



_____ cm



_____ cm

Add in a pointer to show:

176 mm

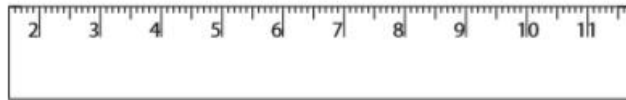
9.2cm

11mm

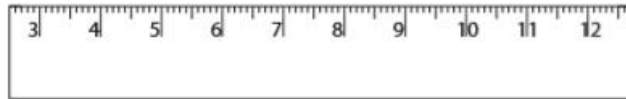
11.5cm

Draw a pointer on to each of these rulers

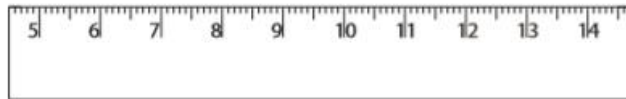
5 cm



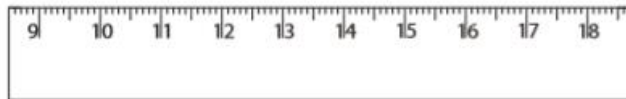
11 cm



9 cm



17 cm



Now add pointers
that are 9.3 cm

48mm

7.6cm

181mm

1a. Match each image to its length.

A.



2cm

B.



C.



3cm

4cm



VF

1b. Match each image to its length.

A.



30mm

B.



C.



20mm

40mm



VF

2a. Imagine these objects are their usual size and match them to the most suitable length measurement.



fly



cat

35cm

6mm



VF

2b. Imagine these objects are their usual size and match them to the most suitable length measurement.



snake



moth

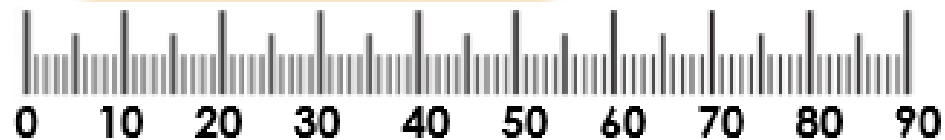
80cm

9mm



VF

3a. Tick the length of the bread.



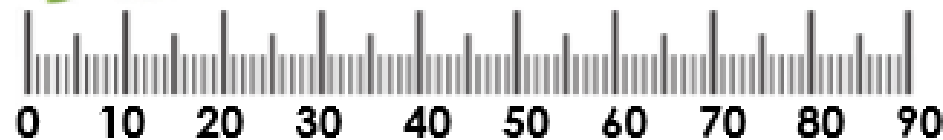
Not drawn to scale



50mm ☐ 60mm ☐

VF

3b. Tick the length of the carrot.



Not drawn to scale



30mm ☐ 35mm ☐

VF

4a. Complete the sentence below.



The line is cm long.

VF


4b. Complete the sentence below.





The line is cm long.


VF

5a. Match each image to its length.

A.  40mm

B.  5cm


C.  3cm


D.  20mm





VF

5b. Match each image to its length.

A.  6cm

B.  30mm


C.  10mm


D.  4cm




VF

6a. Imagine these objects are their usual size and match them to the most suitable length measurement.

 ladybird 11m


 bus 8mm


 book 15cm




VF

6b. Imagine these objects are their usual size and match them to the most suitable length measurement.

 ant 75m

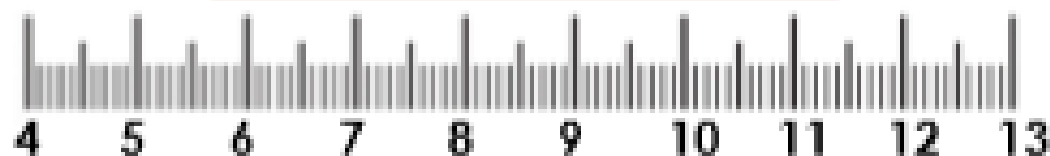
 plane 16cm

 pencil 7mm



VF

7a. Tick the length of the pencil.



Not drawn to scale



6cm and 4mm ☐ 7cm ☐

VF

7b. Tick the length of the snake.



Not drawn to scale



8cm and 1mm ☐ 9cm ☐

VF

8a. Complete the sentence below.



The line is cm and mm long.

VF


8b. Complete the sentence below.





The line is cm and mm long.


VF

9a. Match each image to its length.

A.  38mm

B.  3cm and 1mm


C.  5cm and 2mm


D.  46mm





VF

9b. Match each image to its length.

A.  54mm

B.  37mm




C.  4cm and 3mm

D.  1cm and 6mm



VF

10a. Imagine these objects are their usual size and match them to the most suitable length measurement.




 lion  helicopter  calculator

24m and 16cm 12cm and 3mm 1m and 98cm



VF

10b. Imagine these objects are their usual size and match them to the most suitable length measurement.

 rubber  car  wolf

1m and 43cm 2cm and 84mm 4m and 57cm



VF

11a. Tick the length of the flower.



Not drawn to scale



3cm and 7mm

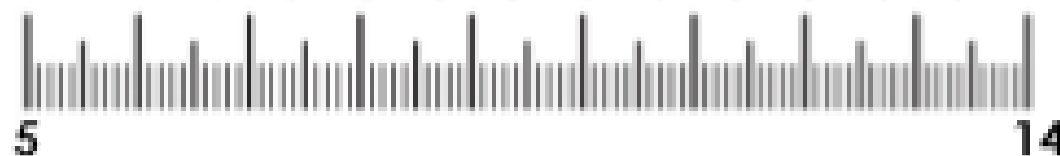
☐

6cm and 8mm

☐

VF

11b. Tick the length of the bunting.



Not drawn to scale



9cm and 1mm

☐

7cm and 9mm

☐

VF

12a. Complete the sentences below.



The line is cm and mm long.



The line is mm long.

VF

12b. Complete the sentences below.



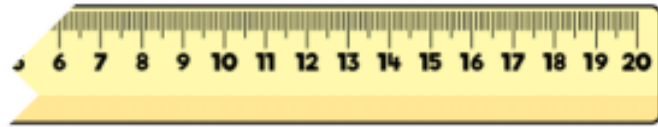
The line is cm and mm long.



The line is mm long.

VF

Whitney's ruler is broken.
How could she use it to still measure items?



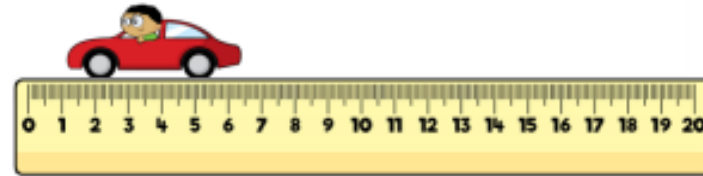
Tommy thinks that this chocolate bar is 4 cm long.
Is he correct?



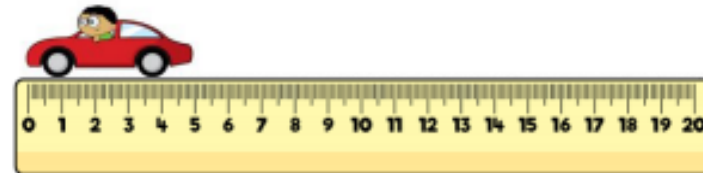
Convince me.

Three children measured the same toy car.

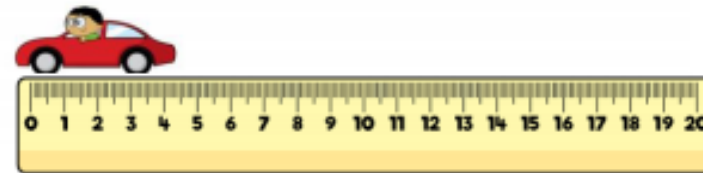
Eva says that the car is 6 cm and 5 mm



Dexter says the car is 5 cm



Annie says the car is 4 cm 5 mm



Who is correct?
Who is incorrect?
Explain why.

1a. This pen is 15cm long.

Find 3 objects in your classroom that are shorter than the pen.



Write the measurements of the objects accurately to the nearest cm.



Not drawn to scale

PS

1b. This lollipop is 80mm long.

Find 3 objects in your classroom that are longer than the lollipop.



Write the measurements of the objects accurately to the nearest 10mm.



Not drawn to scale

PS

2a. Ben and Ciara are discussing the measurement of a plant seed.



Ben

I think a plant seed would measure 6mm.



Ciara

I think a plant seed would measure 70mm.

Who do you agree with? Explain why.



R

2b. Tia and Seth are discussing the measurement of a book.



Tia

I think a book would measure 25cm.



Seth

I think a book would measure 4cm.

Who do you agree with? Explain why.

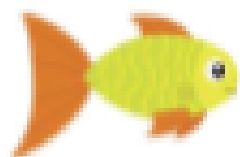


R

3a. Sid has measured the fish.



I think the fish is 20cm long.



Not drawn to scale

Is he correct? Convince me.



R

3b. Jen has measured the paper clip.



I think the paper clip is 30cm long.



Not drawn to scale

Is she correct? Convince me.



R

4a. This sofa is 3m and 50cm long.

Find 3 objects in your classroom that are shorter than the sofa.



Write the measurements of the objects carefully in cm and the nearest 5mm.



Not drawn to scale

PS

4b. This toy rocket is 20cm and 4mm long.

Find 3 objects in your classroom that are longer than the toy rocket.



Write the measurements of the objects carefully in cm and the nearest 5mm.



Not drawn to scale

PS

5a. Lily and Azra are discussing the measurement of a table in the classroom.



Lily

I think a table would measure 20cm.



Azra

I think a table would measure 2m.

Who do you agree with? Explain why.



R

5b. Joe and Brian are discussing the measurement of a candle.



Joe

I think a candle would measure 12cm.



Brian

I think a candle would be 7mm.

Who do you agree with? Explain why.



R

6a. Karl has measured the matchstick.



I think the matchstick is 7cm and 6mm long.



Not drawn to scale

Is he correct? Convince me.



R

6b. Sara has measured the paintbrush.



I think the paintbrush is 16cm and 8mm long.



Not drawn to scale

Is she correct? Convince me.



R

7a. This needle is 6cm and 2mm long.

Find 3 objects in your classroom that are longer than the needle.



Write the measurements of the objects carefully in cm and the closest 1mm.



Not drawn to scale

PS

7b. This man is 1m and 76cm tall.

Find 3 objects in your classroom that are shorter than the man.



Write the measurements of the objects carefully in m and the closest 1cm.



Not drawn to scale

PS

8a. Freya and Zain are discussing the measurement of a book shelf.



Freya

I think a book shelf would measure 2m and 15cm.



Zain

I think a book shelf would measure 12cm and 4mm.

Who do you agree with? Explain why.



R

8b. Scarlett and Mateo are discussing the measurement of a phone.



Scarlett

I think a phone would measure 1m and 5cm.



Mateo

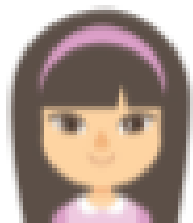
I think a phone would measure 12cm and 3mm.

Who do you agree with? Explain why.



R

9a. Mia has measured the chocolate bar.



I think the chocolate bar is
5cm and 8mm long.



Not drawn to scale

Is she correct? Convince me.

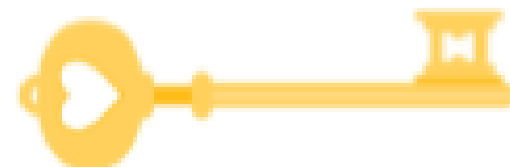


R

9b. Khalid has measured the key.



I think the key is 3cm and
9mm long.



Not drawn to scale

Is he correct? Convince me.

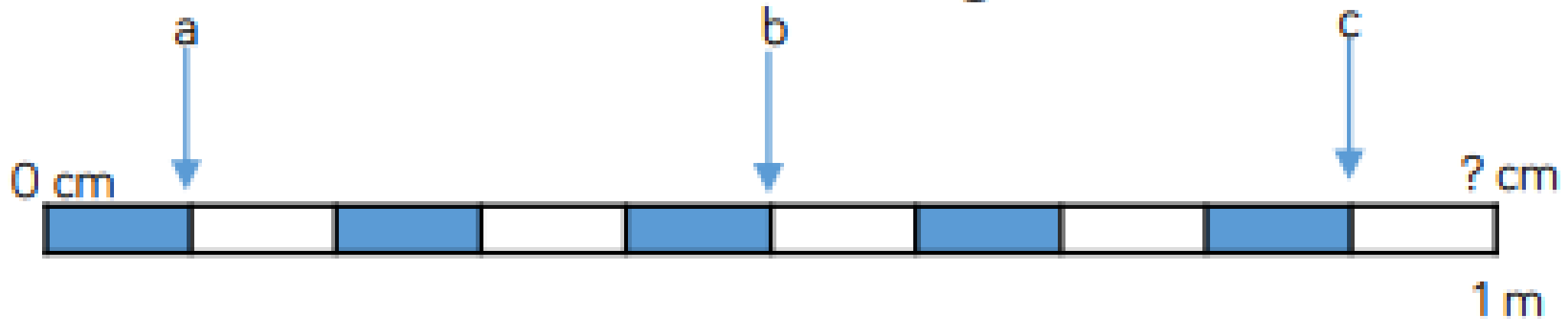


R

-
- Listen to the song
 - <https://www.youtube.com/watch?v=djTNUp4XIRo>
 - Watch the video on metres
 - <https://www.youtube.com/watch?v=IZCirXuXIvA>

What cm will be a,b,c and ?

If $a = 10$ cm, calculate the missing measurements.



Can you match the cm to m

Can you match the equivalent measurements?

| |
|-----------------|
| 100 cm |
| 5 m |
| 300 cm |
| 2 m |
| 900 centimetres |



| |
|---------|
| 9 m |
| 200 cm |
| 500 cm |
| 1 metre |
| 3 m |

Can you use Eva's method to convert the amounts underneath

Use Eva's method to convert:

- 130 cm
- 230 cm
- 235 cm
- 535 cm
- 547 cm

| | |
|----------|-------|
| 120 cm | |
| 100 cm | 20 cm |
| 1 m | 20 cm |
| 1m 20 cm | |

Mo and Alex each have a skipping rope.

Alex says,



I have the longest skipping rope. My skipping rope is $2\frac{1}{2}$ metres long.

Mo says,



My skipping rope is the longest because it is 220 cm and 220 is greater than $2\frac{1}{2}$

Who is correct?
Explain your answer.

Three children are partitioning 754 cm

Teddy says,



75 m and 4 cm

Whitney says,



7 m and 54 cm

Jack says,



54 cm and 7 m

Who is correct?
Explain why.