



Length

Let's Learn!



Measuring in metres

- 1 Peter, Tai and Miya each have a metre ruler to measure the length of their tables.

The length of my table is less than 1 m.



The length of my table is 1 m.



The length of my table is more than 1 m.



1 metre/1 m



m stands for metre.



The metre is a unit of length. We read 1 m as one metre.

2

Is the cabinet more than 2 m high?

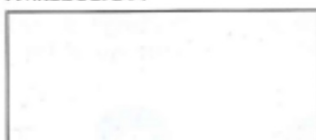


The height of the cabinet is about 2 m.

3

Metre rulers are placed along two whiteboards.

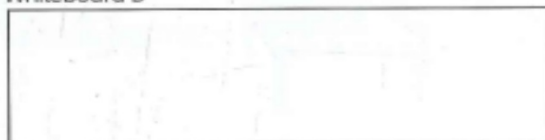
Whiteboard A



Metre ruler



Whiteboard B



Which whiteboard is about 1 m long?

What can you say about the other whiteboard?

Say **more** or **less**.

a The length of whiteboard A is than 1 m.

b The length of whiteboard B is than 2 m.

Activity



- 7** You will need a metre ruler or a piece of string that is 1m long. First make a guess about the length or width of each object given below. Then use the ruler or string to measure each object.

		My guess	Actual length
a	The height of your classroom door.	about 2m	2m
b	The width of your classroom door.		
c	The width of your classroom window.		
d	The length of your friend's arm.		
e	The length of a table.		
f	The width of a shelf.		
g	The length of your classroom.		
h	The width of your classroom.		

Practice 1 Measuring in metres

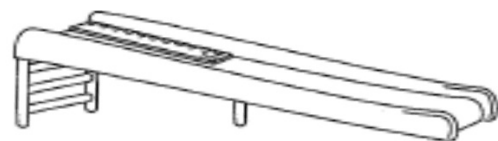
- 1 Look at the pictures.
Fill in the spaces with **more** or **less**.

a



The length of the book is _____ than 1m.

b



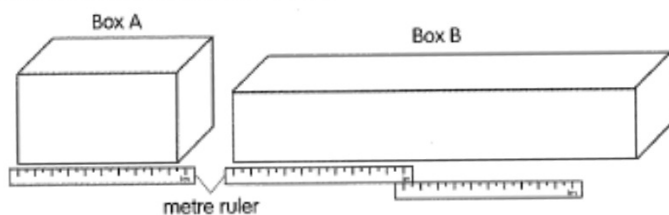
The length of the slide is _____ than 1m.

c



The height of the bookcase is
_____ than 1m.

- 2 Look at the metre rulers in each picture.



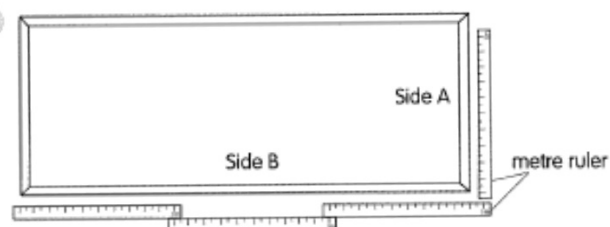
a Which box is about 1 m long? _____

b Fill in the spaces with **more** or **less**.

Box A is _____ than 1 m long.

Box B is _____ than 2 m long.

3



a Which side of the board is about 3 m long? _____

b Side A is longer than _____ m.

c Side B is shorter than _____ m.

- 4 Look at the list below.
 Tick (✓) the columns that are true for each object.
 You will need a metre ruler or a piece of string 1 m long to measure some of these objects.

Object	Less Than 1 m	More Than 1 m	More Than 1 m but Less Than 2 m	More Than 2 m
Door 				
Desk 				
Whiteboard 				
Chair 				
Bin 				

Practice 2 Comparing lengths in metres

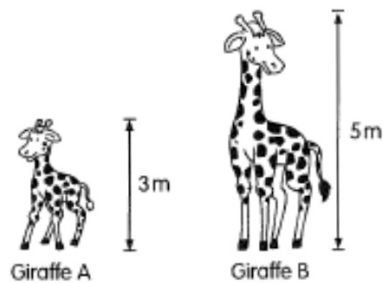
- 1 Look at the two ropes.



Which rope is longer? _____

How much longer is it? _____

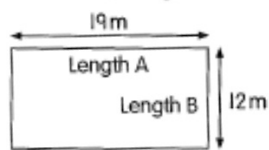
- 2 Look at the 2 giraffes.



Which giraffe is taller? _____

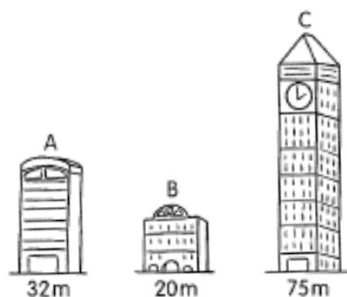
How much taller is it? _____

- 3 Look at the lengths of the rectangle.



- a Which is longer, Length A or Length B? _____
- b How much longer? _____ m

- 4 Look at the buildings below.



- a Which building is the tallest? Building _____
- b How much taller is Building C than Building A? _____ m
- c Building B is _____ m shorter than Building C.



What is 1 cm?



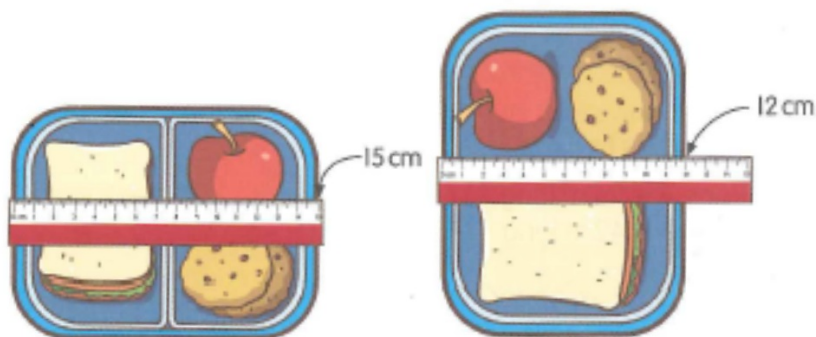
cm stands for centimetres.



We read 1 cm as one centimetre.



We use centimetres to measure shorter objects.



The lunch box is 15 cm long.

The lunch box is 12 cm wide.

Date: _____

Practice 3 Measuring in centimetres

- 1 Use a ruler to draw these lines in the boxes.

Example

Line AB which is 5 cm long.

A ————— B

- a Line CD which is 12 cm long.

- b Line EF which is 9 cm long.

- c Line GH which is 6 cm long.

—————

- d Line MN which is 2 cm shorter than Line EF.

- e Line XY which is 2 cm longer than Line GH.

- 2** Use a piece of string and a ruler to measure these lines and fill in the spaces.

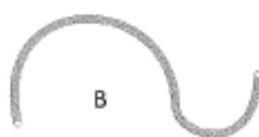
a How long is the string? _____ cm



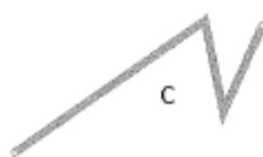
- b** This string is used to make the following shapes.
Use a piece of string and a ruler to measure them.



_____ cm



_____ cm



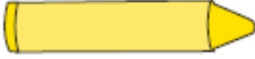
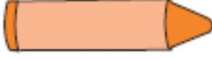
_____ cm

Do they all have the same length? _____

- c** What have you learnt?

Measuring in Centimeters and Line Plot

Directions: Measure the length of each crayon in centimeters and write your answer in the space provided.

1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		

Measuring in Centimeters and Line Plot

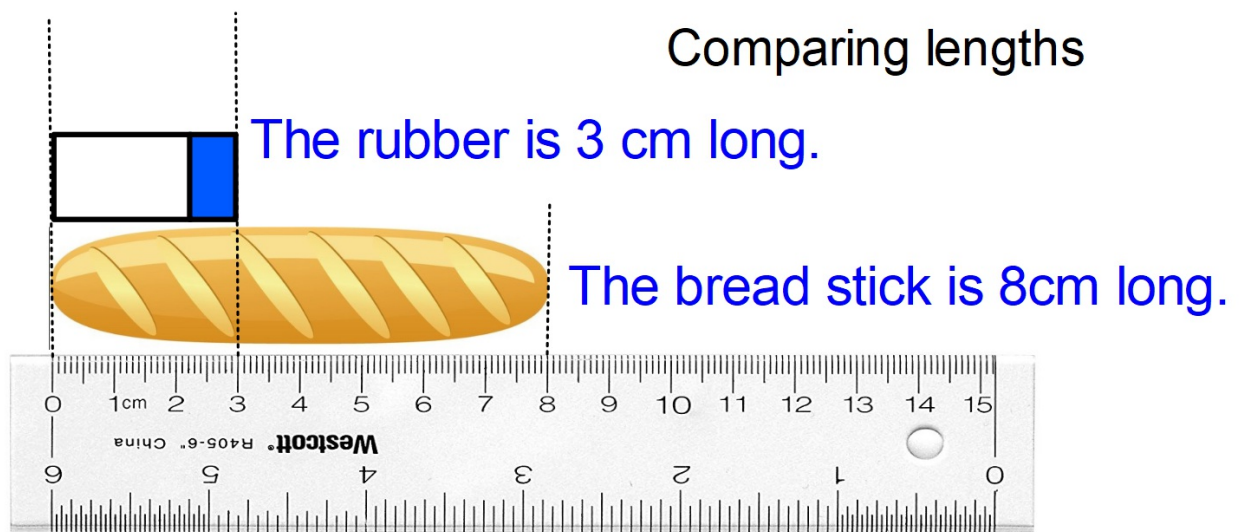
Directions: Create a line plot using the information from the Measurement in Centimeters activity. Mark an X for each crayon measurement and then answer the questions below.



Centimeters

- | | |
|--|----------------------|
| How many six-centimeter crayons did you measure? | <input type="text"/> |
| How many two-centimeter crayons did you measure? | <input type="text"/> |
| How many ten-centimeter crayons did you measure? | <input type="text"/> |
| How many three-centimeter crayons did you measure? | <input type="text"/> |
| How many eight-centimeter crayons did you measure? | <input type="text"/> |
| How many five-centimeter crayons did you measure? | <input type="text"/> |
| Which centimeters had the most amount of crayons? | <input type="text"/> |
| Which centimeters had the least amount of crayons? | <input type="text"/> |

Comparing lengths



The bread stick is longer than the rubber.

It is longer by 5cm. **How do I know?**

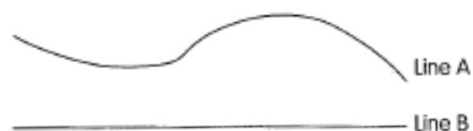
The rubber is shorter than the bread stick.

It is shorter by ____cm. **How do you know?**

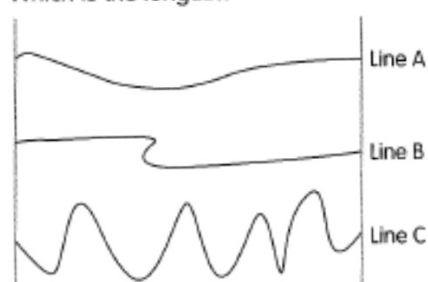
Practice 4 Comparing lengths in centimetres

1 Fill in the spaces.

a Which is longer? Line _____

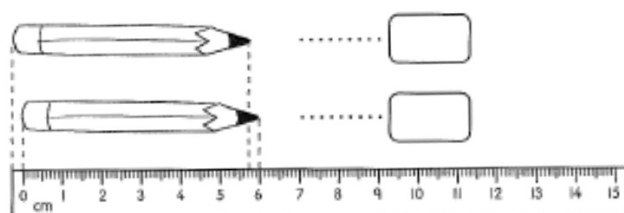


b Which is the longest?

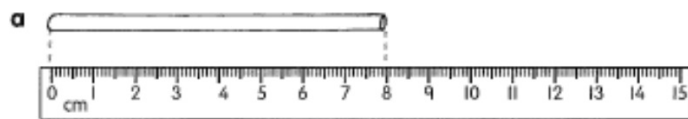


Line _____

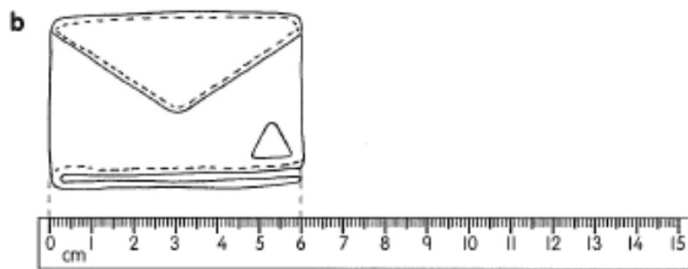
2 Tick (✓) the correct way to measure the length of the pencil.



3 Find the length of each object below.



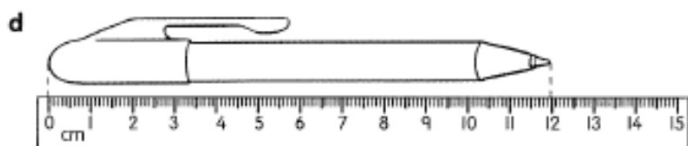
The straw is about _____ cm long.



The wallet is about _____ cm long.

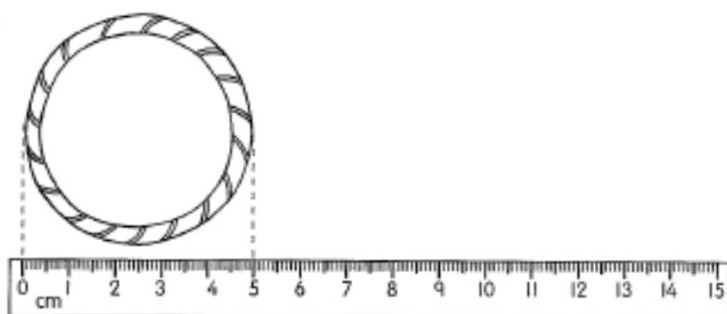


The key is about _____ cm long.



The pen is about _____ cm long.

e



The bracelet is about _____ cm wide.

For questions **f** to **h**, fill in the spaces with **longer** or **shorter**.

f The pen is _____ than the straw.

g The key is _____ than the pen.

h The wallet is _____ than the straw.

i The straw is _____ cm longer than the key.

j The straw is _____ cm shorter than the pen.

k The longest object is the _____

l The shortest object is the _____

- 4 Look at your fingers.
Use a ruler to help you measure your fingers.

a Name your longest finger. _____

How long is it? _____ cm

b Name your shortest finger. _____

How long is it? _____ cm

c How much longer is your middle finger than your thumb?

_____ cm



- 5 Name three things that fit each of the lengths below.

Length	Things
Less than 1 cm long	
About 5 cm long	
More than 5 cm long	



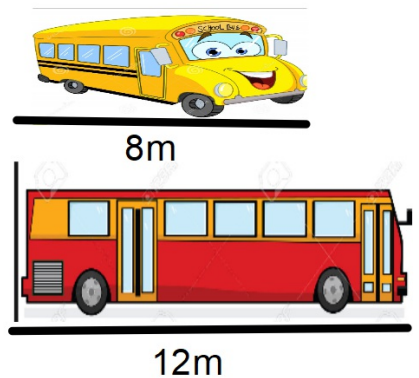
Finished?

CHALLENGE TIME: try these in your pink book
(Don't forget to copy the questions!)

1) The yellow bus is 8m long, the red bus is 12m long.

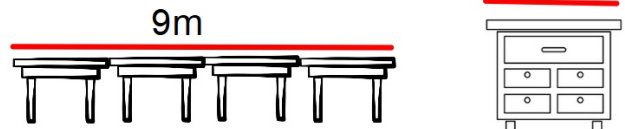
a) Which bus is longer?

b) How much longer?



2.) A row of tables is 9m long and the cupboard is 4m long.

How much longer is the row of tables?



3.) How much taller is the oak tree at 12m than the apple tree at 8m?

