w/c 24/06/24—Lesson 1 worksheet 1

MPI: understanding how to convert units of length

What would you use to measure the length of a bus?

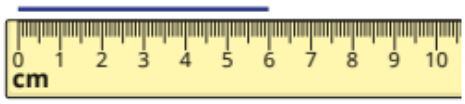
- centimetres
- metres
- kilometres

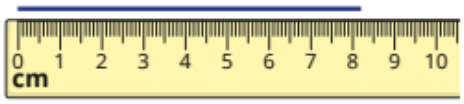
How many millimetres are in 20 cm?

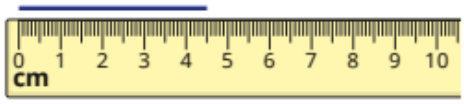
- 2 mm
- 2000 mm
- 20 mm
- 200 mm

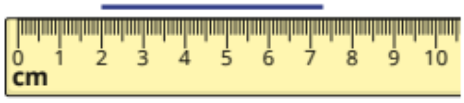
How long is each line?

Give your answers in both centimetres and millimetres.

a) 

c) 

b) 

d) 

Measure each line.

Write the lengths in both centimetres and millimetres.

w/c 24.06.24—Lesson 1, worksheet 2

MPI: understanding how to convert units of length

Max is 146 cm tall.

Annie is 0.27 m shorter than Max.

How tall is Annie?

Give your answer in metres.

The thickness of a 20p coin is 2 mm.

Tommy stacks £4 worth of 20p coins on top of each other.

How tall is the stack of coins?

Give your answer in centimetres.

The table shows the heights of four sunflowers.

Sunflower	A	B	C	D
Height	0.86 m	91 cm	640 mm	72 cm

Put the sunflowers in order, starting with the shortest.

Complete the conversions.

a) 15 cm = ☐ mm

b) 12 m = ☐ cm

c) 16.5 m = ☐ cm

d) ☐ mm = 165 cm

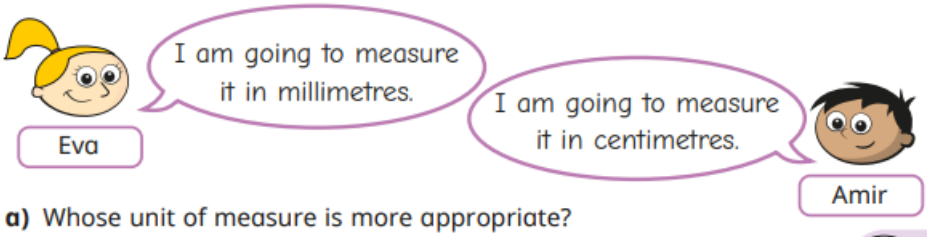
e) ☐ cm = 0.2 m

f) 4.65 m = ☐ cm

g) 52,000 mm = ☐ cm

h) 52,000 mm = ☐ m

) Eva and Amir are measuring the width of a paper clip.



a) Whose unit of measure is more appropriate?

Explain your answer.

b) Amir has measured the width of the paper clip as 0.8 cm.

What answer will Eva get in millimetres?

_____

_____

w/c 24.06.24—Lesson 1, CHALLENGE

MPI: understanding how to convert units of length

$\frac{1}{2}$ a metre is 500 cm.
That means that $\frac{1}{2}$ a metre is 5,000 mm because to convert between cm and mm, I multiply by 10

Is Tiny correct?

Explain your answer.

A 10p coin is 2 mm thick.

Rosie makes a pile of 10p coins worth £1.30

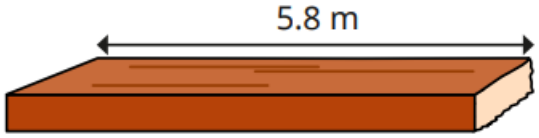
What is the height of the pile of coins in centimetres?

Dexter has a pencil that is 9.5 cm long.

He uses it every day for a week, and it is now 6.9 cm long.

How many millimetres shorter is his pencil now than it was a week ago?

A plank of wood is 5.8 metres long.



Two lengths are cut from the wood.

175 cm	$3\frac{4}{5}$ m

What length of the plank is left?

w/c 24.06.24—Lesson 1, +

MPI: understanding how to convert units of length

Measure things around the room!

Object	Measure in cm	Measure in mm