Date: Wednesday 3rd March 2021

Learning Objective:

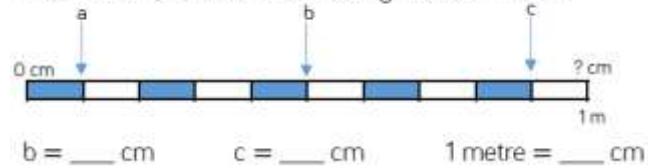- To find equivalent lengths using metres and centimetres.

Practise:

1.

If a = 10 cm, calculate the missing measurements.

0 cm   ? cm

                                        1 m

b = ____ cm   c = ____ cm   1 metre = ____ cm

2.

Can you match the equivalent measurements?

100 cm		9 m
5 m		200 cm
300 cm		500 cm
2 m		1 metre
900 centimetres		3 m

3.

Eva uses this diagram to convert between centimetres and metres.

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	

Reason:

4.

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.

5.

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 $2\frac{1}{2}$
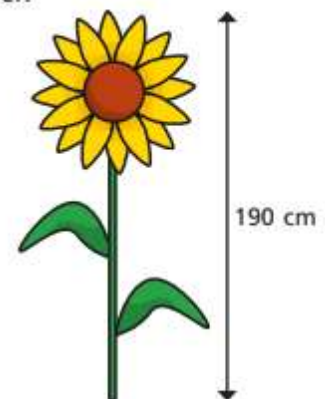
Who is correct?
Explain your answer.

Problem Solve:

6.

Here is Huan's sunflower.

190 cm

Dani's sunflower is 2 m and 30 cm.

Tom's sunflower is exactly halfway between Huan's and Dani's.

How tall is Tom's sunflower?

Write your answer in metres and centimetres.