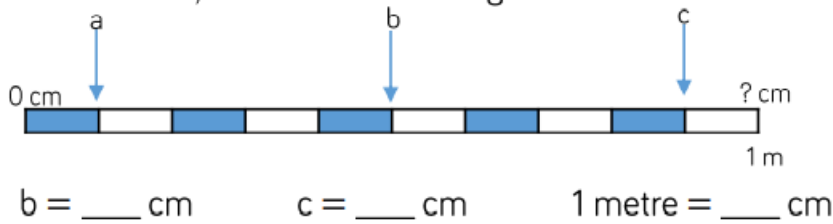


Today you are showing me how brilliant your understanding of converting measurement is. You have some tricky reasoning questions to solve. Remember to answer in full sentences where you can. Please don't just give the quickest answer. Give the answer that will impress me most.

If there are 100 cm in 1 metre, how many centimetres are in 2 metres? How many centimetres are in 3 metres?

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



Do we need to partition 235 cm into hundreds, tens and ones to convert it to metres? Is it more efficient to partition it into two parts? What would the two parts be?

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

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	

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.