

Day 1

Solve problems involving measures.

Can convert between mm/cm/m

17/1/22

Day 1

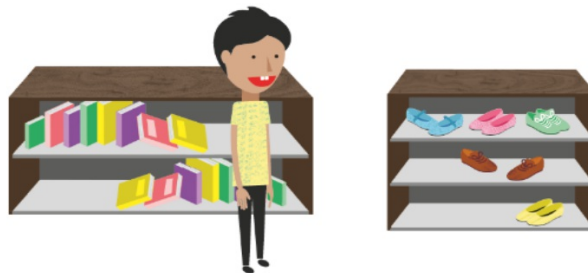
In Focus



Ravi used a wooden board with the length of 315 cm to make a bookshelf.
He used another wooden board with the length of 235 cm to make a shoe rack.
What was the total length of the wooden boards used?



In Focus



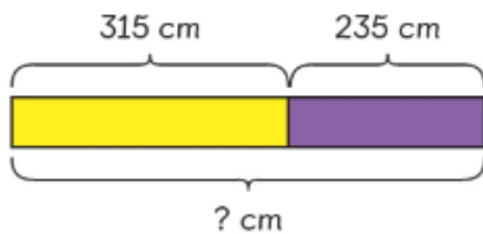
Ravi used a wooden board with the length of 315 cm to make a bookshelf.
He used another wooden board with the length of 235 cm to make a shoe rack.
What was the total length of the wooden boards used?

How could I use a bar model to represent this?

Which bar should be bigger? Why?

Let's Learn

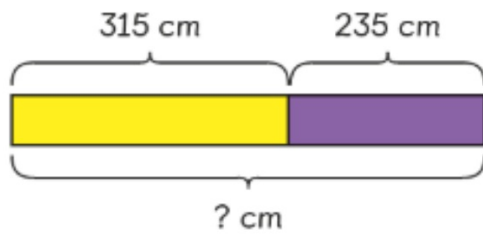
1



This is like a
part whole
model.

Let's Learn

1

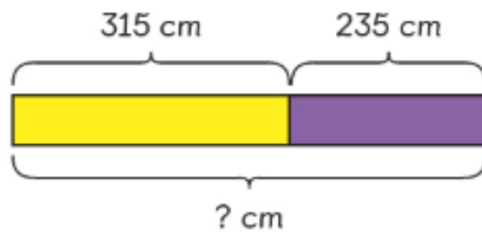


How would I calculate the answer?



Let's Learn

1



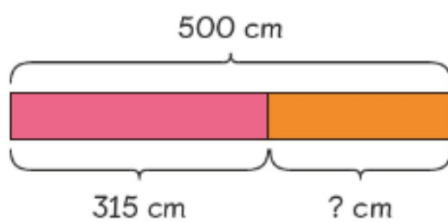
$$315 + 235 = 550$$

The total length of wooden boards used was 550 cm.

How would I calculate the answer?

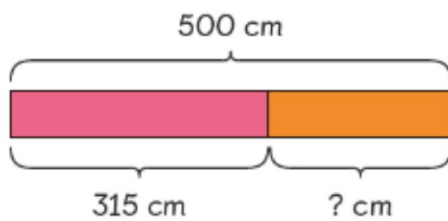


- 2 Charles used 315 cm from a piece of wooden board that was 500 cm long. How long was the piece left over?



This is also like a part whole model.

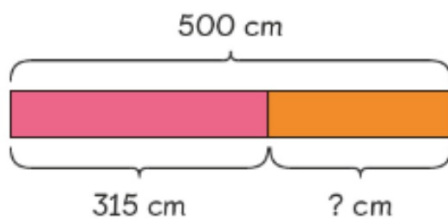
- 2 Charles used 315 cm from a piece of wooden board that was 500 cm long. How long was the piece left over?



How would I calculate the answer?



- 2 Charles used 315 cm from a piece of wooden board that was 500 cm long. How long was the piece left over?



$$500 - 315 = 185$$

The piece left over was 185 cm long.

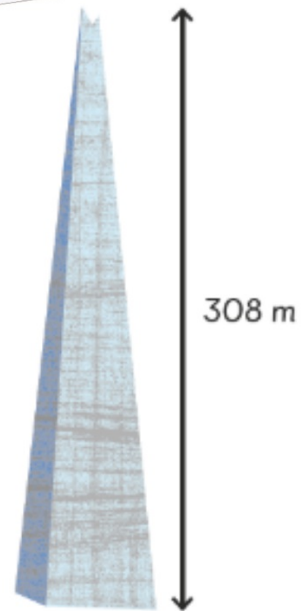
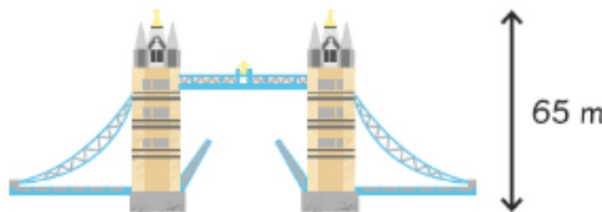
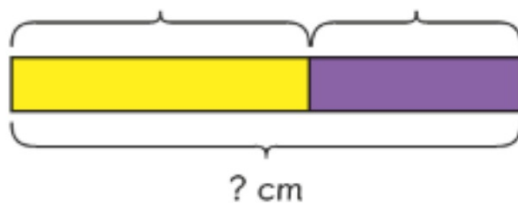
How would I calculate the answer?



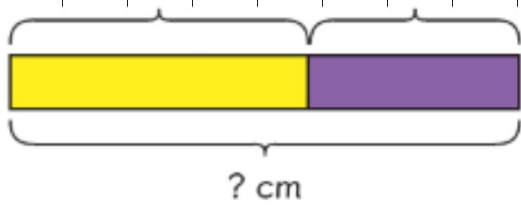
Guided Practice

1

Draw a bar model to show your working out.



How much taller is the Shard than Tower Bridge?



$$\begin{array}{r} 308 \\ - 65 \\ \hline \end{array}$$

Hannah had 5 m of yarn.
She used 74 cm of it.



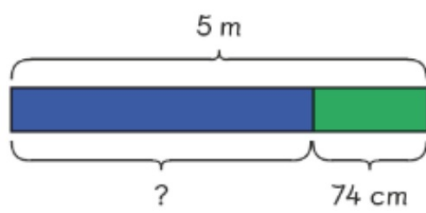
How much yarn did Hannah have left?

How would we calculate this?



Let's Learn

Method 1



$$\square - 74 = \square$$

She had \square cm of yarn left.

$$1 \text{ m} = \square$$

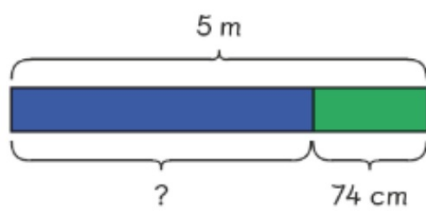


$$5 \text{ m} = \square \text{ cm}$$



Let's Learn

Method 1



$$500 - 74 = 426$$

She had 426 cm of yarn left.

$$1 \text{ m} = 100 \text{ cm}$$



$$5 \text{ m} = \boxed{} \text{ cm}$$



1 A piece of red ribbon is 1 m long.
A piece of blue ribbon is 89 cm long.
Find their total length in centimeters.

2 Elliott had a 3 m rope.
He used some and had 64 cm of it left.
How much rope did he use?

3

I am 1 m 38 cm tall.

Lulu



Holly



I am 109 cm tall.

How much taller is  than  ?

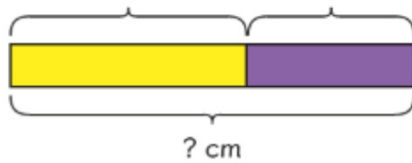
Going Deeper

17/1/22

Going Deeper

- 1 Amira swam 5 m.
She swam 1 m 30 cm more than her sister.
What distance did Amira's sister swim?
Give your answer in metres and centimetres.

Addition or Subtraction?



Column method

Remember to convert to cm. Show your working out!