

Solving Word Problems

Lesson
6

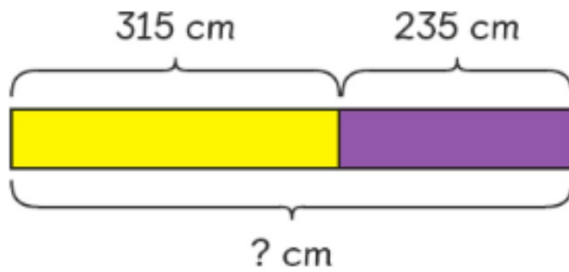
In Focus



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?

Let's Learn

1



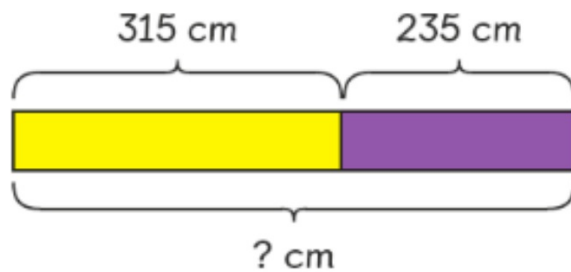
How would I calculate the answer?



This is like a part whole model.

Let's Learn

1



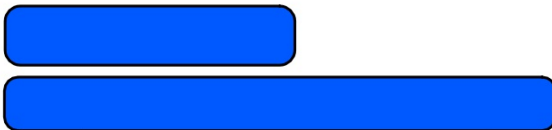
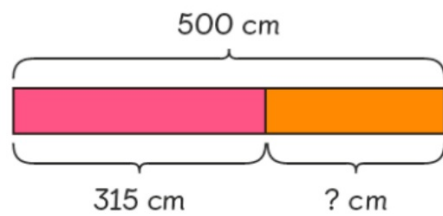
$$315 + 235 = 550$$

The total length of wooden boards used was 550 cm.



This is 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?

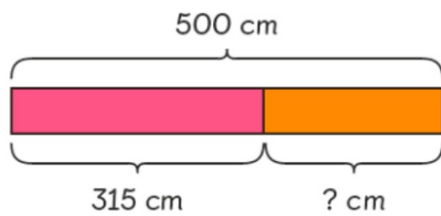


How would I calculate the answer?



This is 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?



$$500 - 315 = 185$$

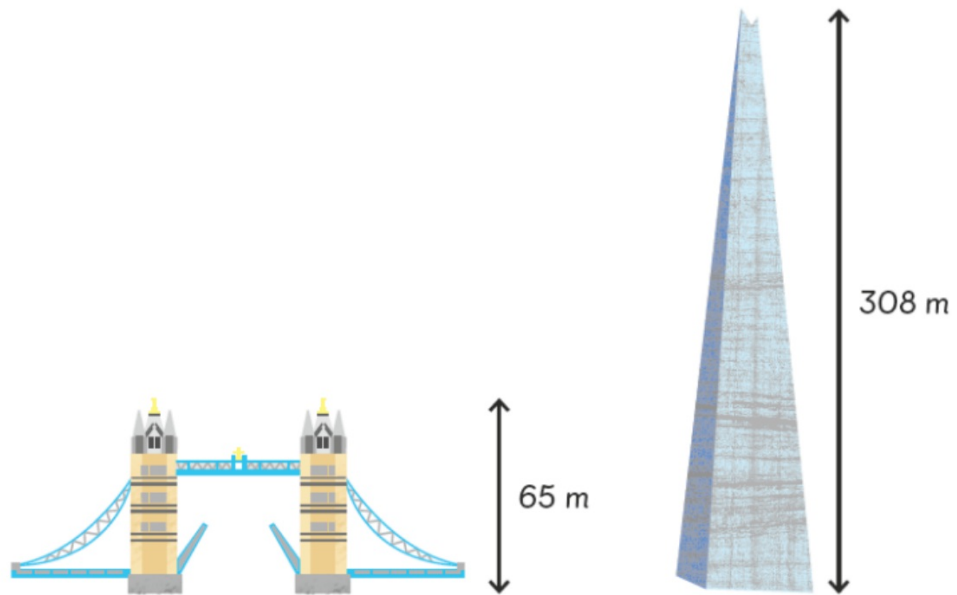
The piece left over was 185 cm long.



This is like a part whole model.

Guided Practice

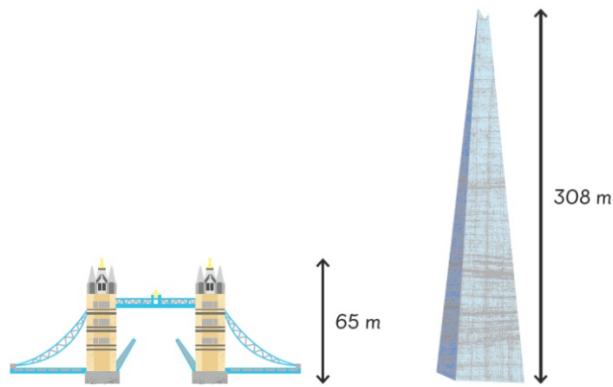
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How much taller is the Shard than Tower Bridge?

Guided Practice

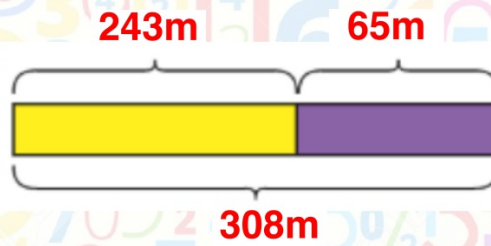
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How much taller is the Shard than Tower Bridge?

$$308 \text{ m} - 65 \text{ m} = 243 \text{ m}$$

The Shard is 243 m taller than Tower Bridge



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



How much yarn did Hannah have left?

How would we calculate this?

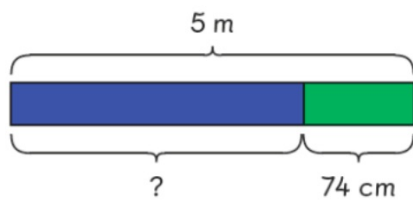
Hannah had 5 m of yarn.
She used 74 cm of it.



How much yarn did Hannah have left?

Let's Learn

Method 1



$$500 - 74 = 426$$

She had 426 cm of yarn left.

1 m = 100 cm



5 m = cm

Answer the following questions and show your workings

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

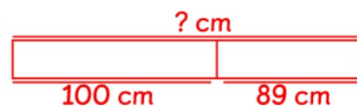
I am 109 cm tall.



How much taller is  than  ?

Answer the following questions and show your workings

- 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.



$$100 \text{ cm} + 89 \text{ cm} = 189 \text{ cm}$$

The total length is 189 cm

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



$$300 \text{ cm} - 64 \text{ cm} = 236 \text{ cm} \quad \text{He used 236 cm of rope}$$

- 3 I am 1 m 38 cm tall.

$$1 \text{ m } 38 \text{ cm} \\ 100 \text{ cm} + 38 \text{ cm} = 138 \text{ cm}$$

Lulu





Holly



I am 109 cm tall.

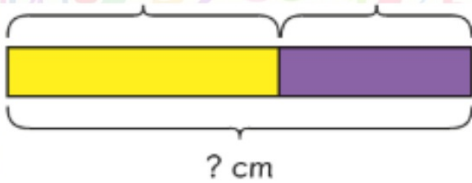
$$139 \text{ cm} - 109 \text{ cm} = 29 \text{ cm} \\ \text{Lulu is 29 cm taller than Holly}$$

How much taller is  than  ?

Going Deeper

Solve.

- 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

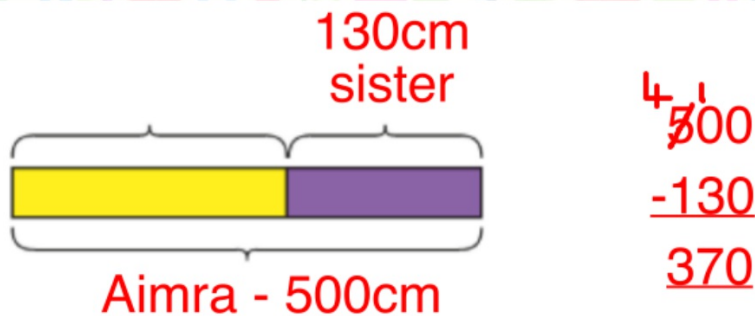
Remember to convert to cm and show your working out!

Going Deeper

Solve.

$$5\text{m} = 500\text{cm}$$

- 1 Amira swam 5 m. 1 m 30 cm = 130 cm
She swam 1 m 30 cm more than her sister.
What distance did Amira's sister swim?
Give your answer in metres and centimetres.



Amira's sister swam 3m 70cm.