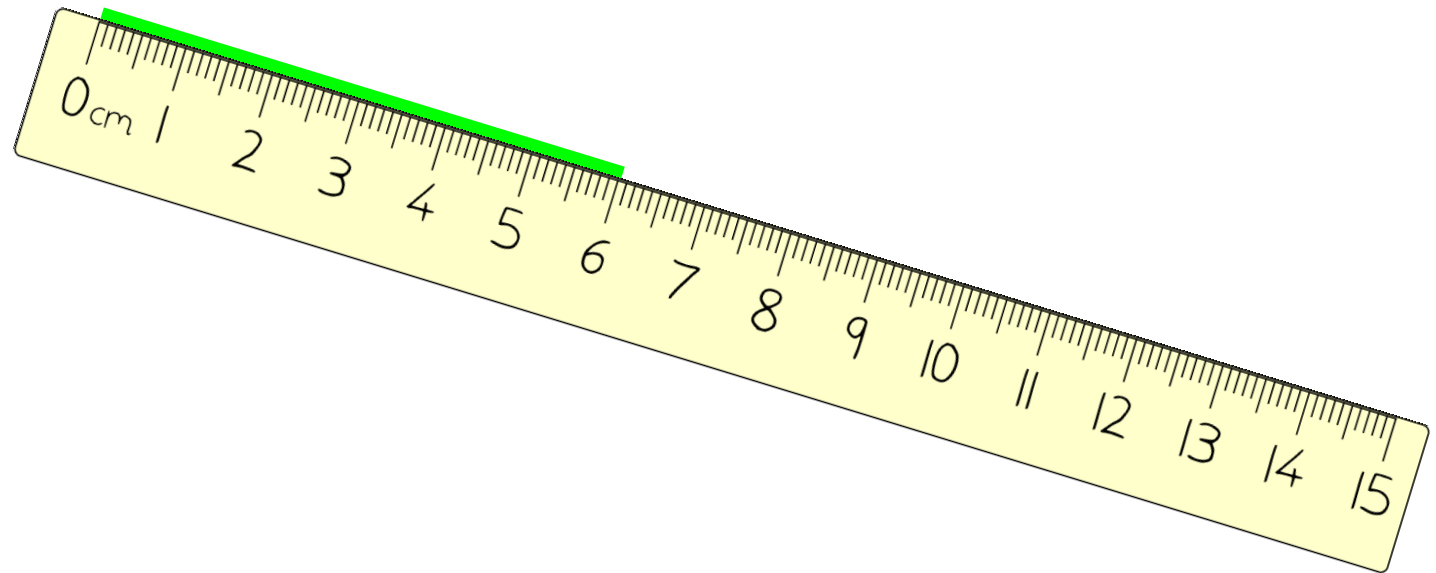
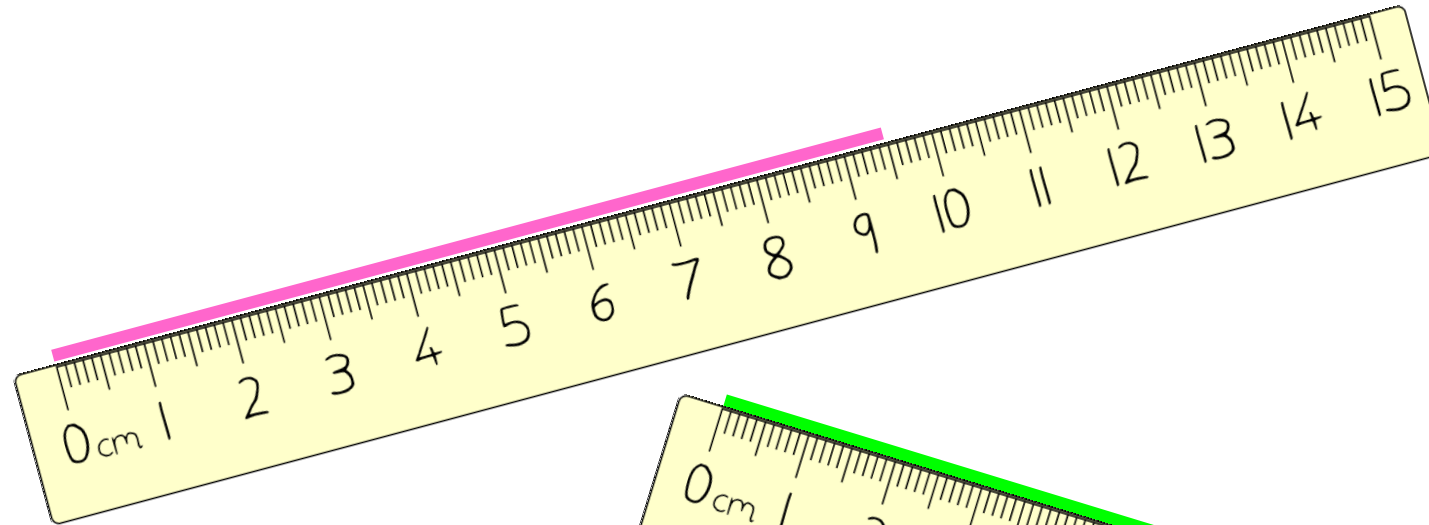


LI: To measure the
perimeter of simple 2-D
shapes.

Perimeter - Lesson 1 (Green Class)

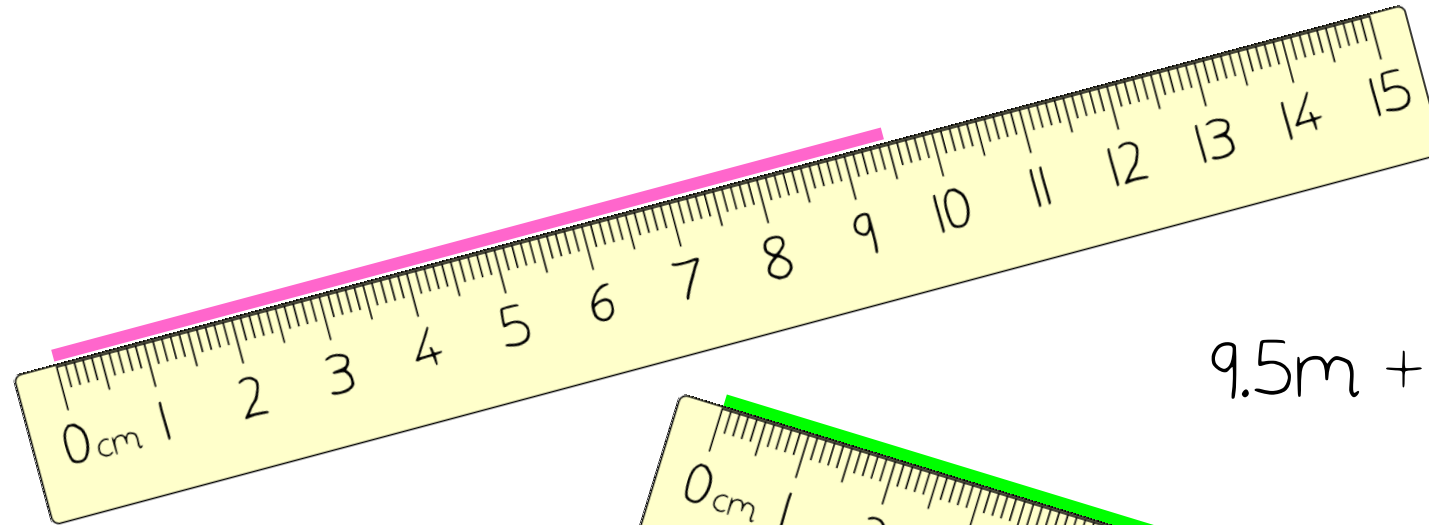
Recap it

Measure these lines then find their total length.

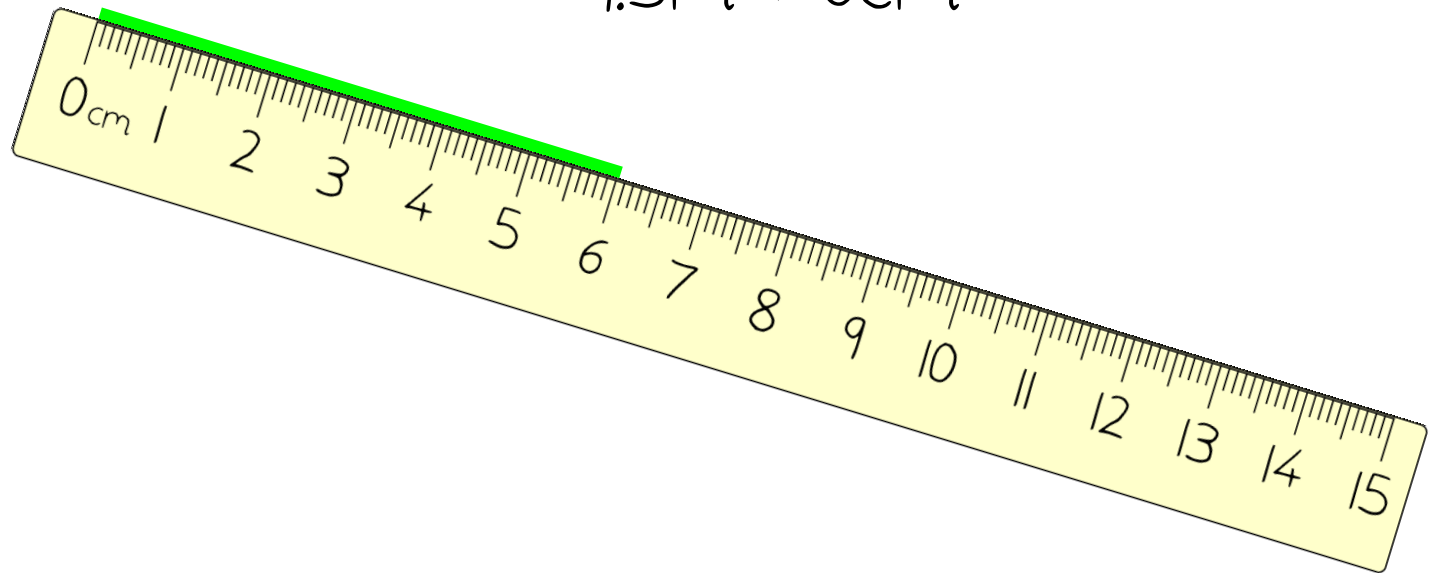


Recap it

Measure these lines then find their total length.

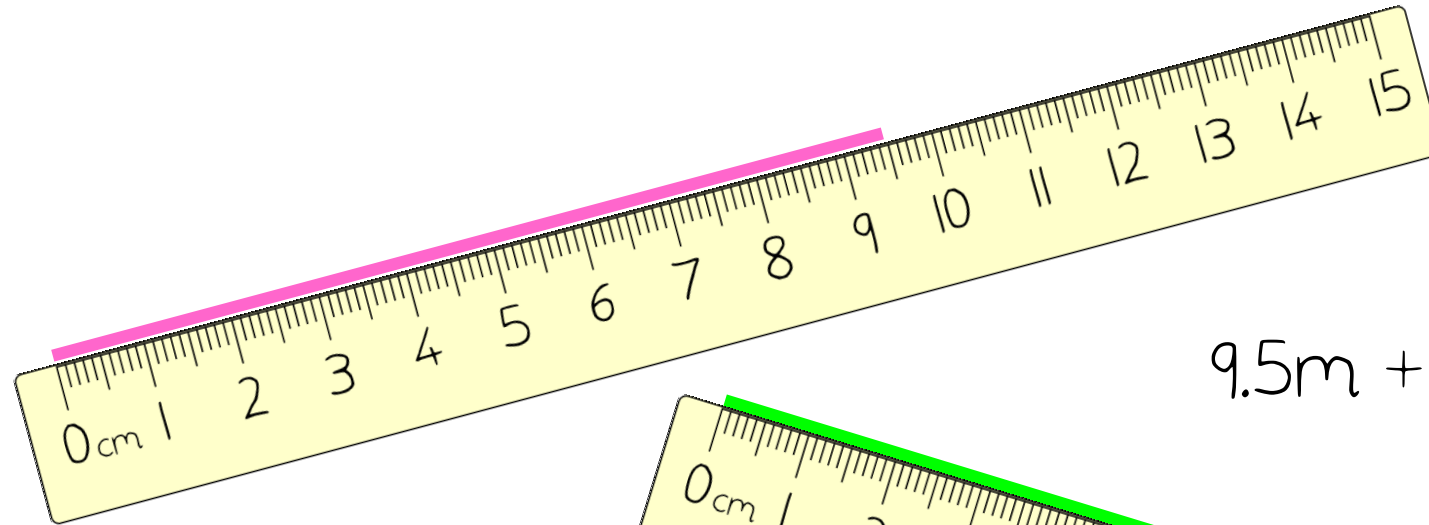


$$9.5\text{m} + 6\text{cm} =$$

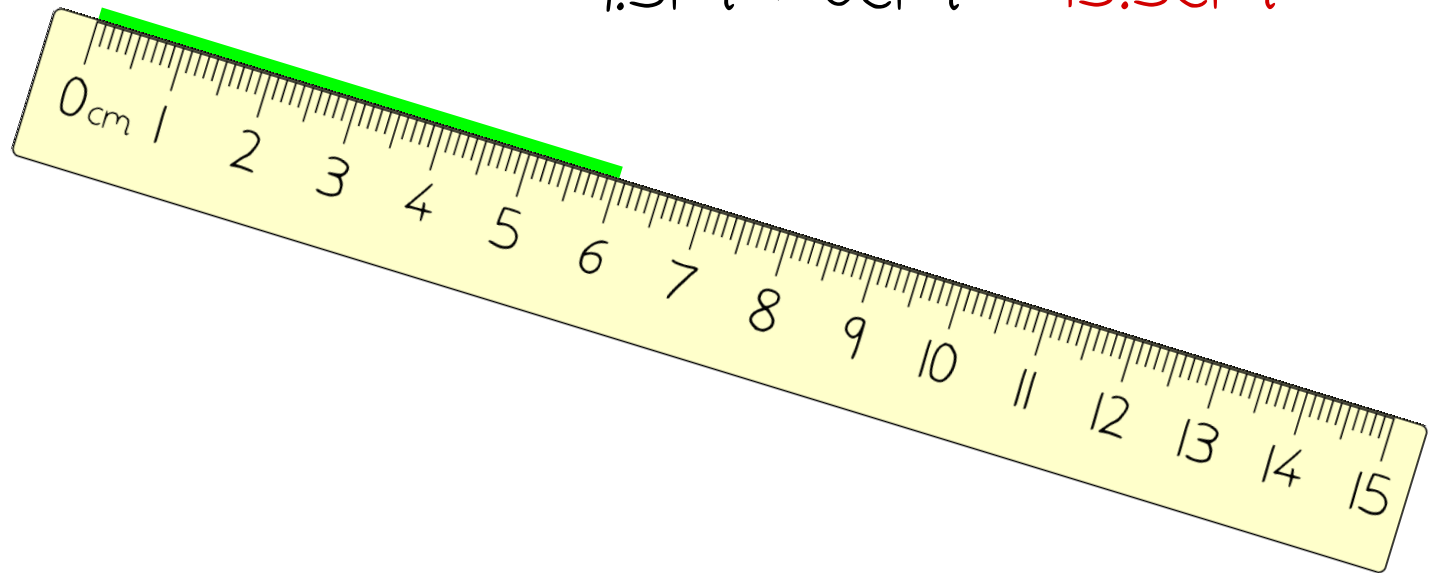


Recap it

Measure these lines then find their total length.



$$9.5\text{m} + 6\text{cm} = 15.5\text{cm}$$



Learn it - Fluency

What is perimeter?

Learn it - Fluency

What is perimeter?

Perimeter is the **distance** around the outside of a 2-d shape.

Learn it - Fluency

What is perimeter?

Perimeter is the distance around the outside of a 2-d shape.

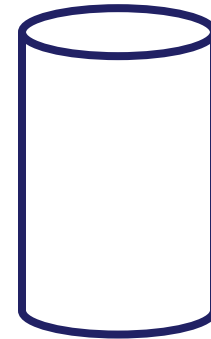
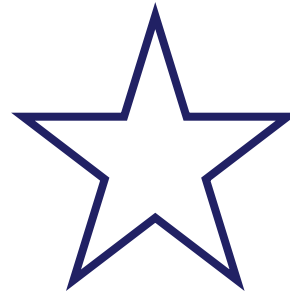
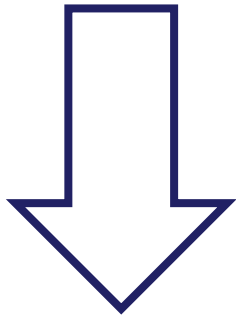
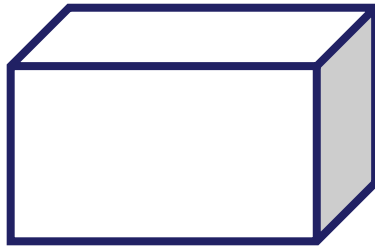
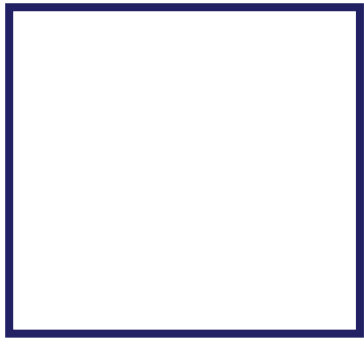
Which of these shapes can you find the perimeter of?

Learn it - Fluency

What is perimeter?

Perimeter is the distance around the outside of a 2-d shape.

Which of these shapes can you find the perimeter of?

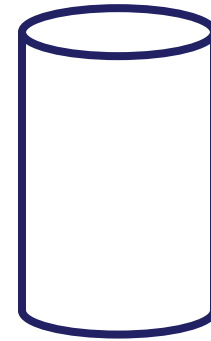
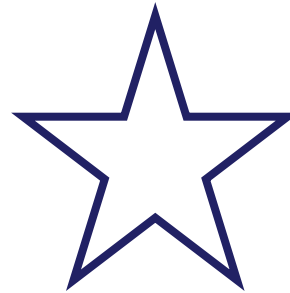
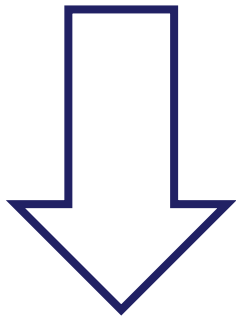
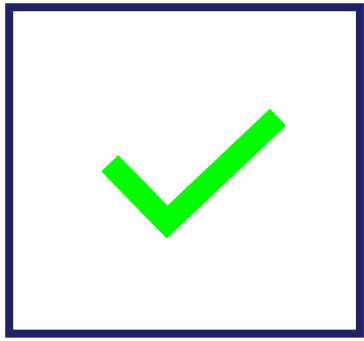


Learn it - Fluency

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Which of these shapes can you find the perimeter of?

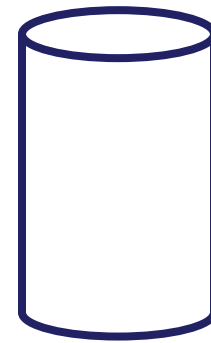
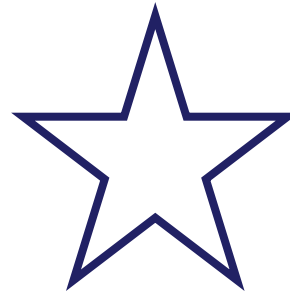
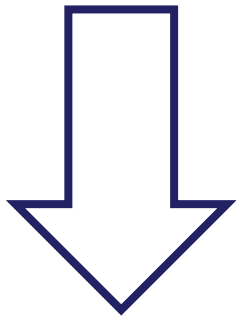
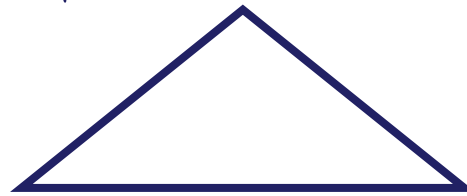
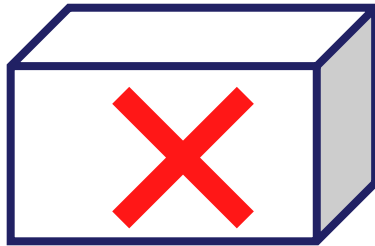
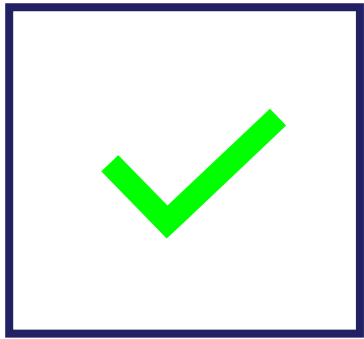


Learn it - Fluency

What is perimeter?

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Which of these shapes can you find the perimeter of?

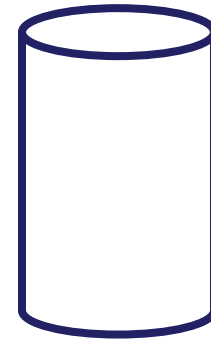
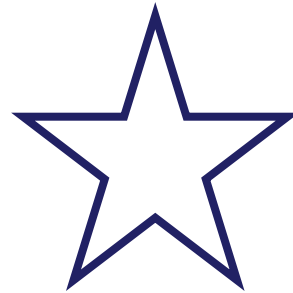
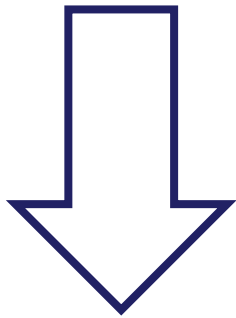
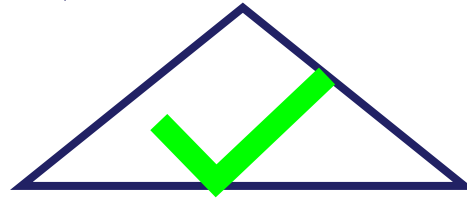
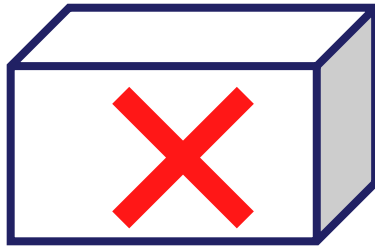
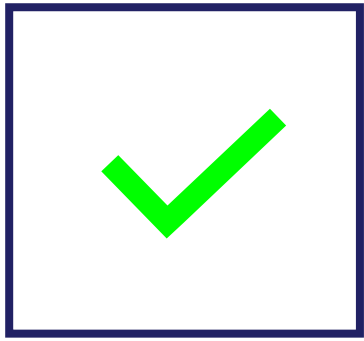


Learn it - Fluency

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Which of these shapes can you find the perimeter of?

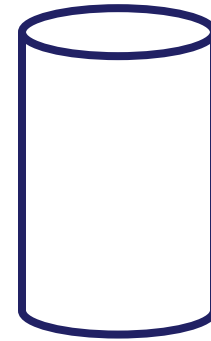
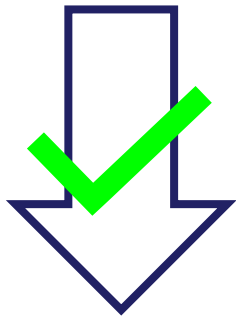
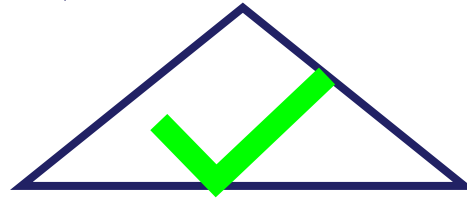
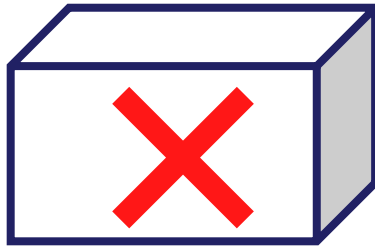
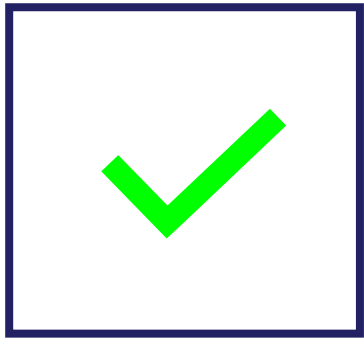


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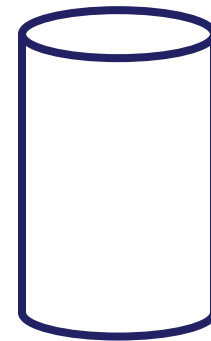
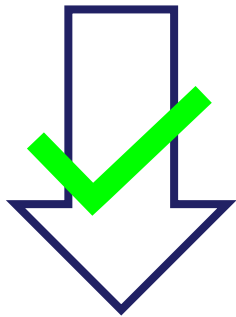
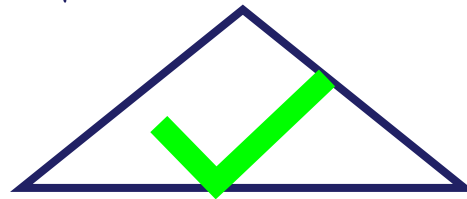
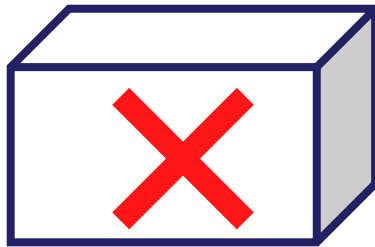
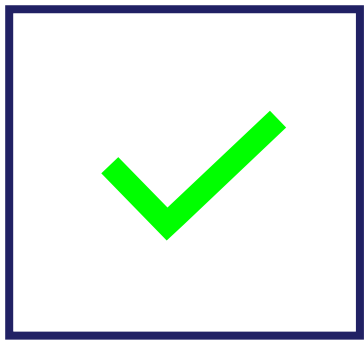


Learn it - Fluency

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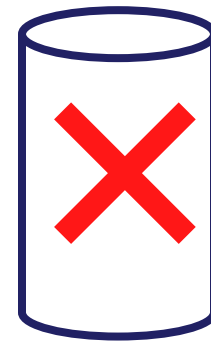
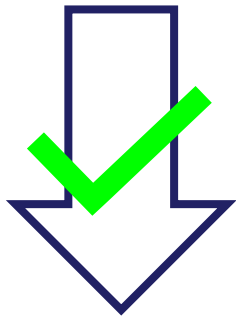
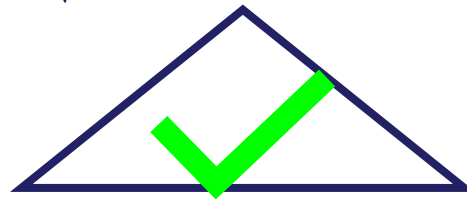
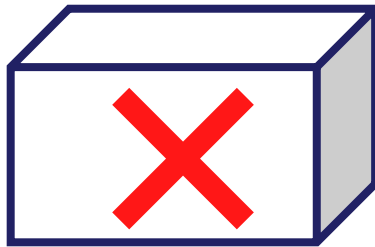
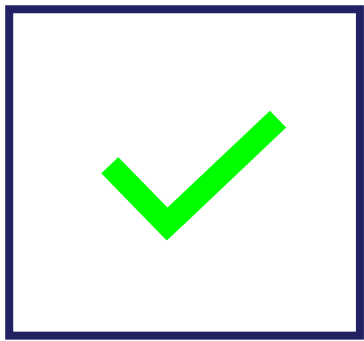


Learn it - Fluency

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Which of these shapes can you find the perimeter of?



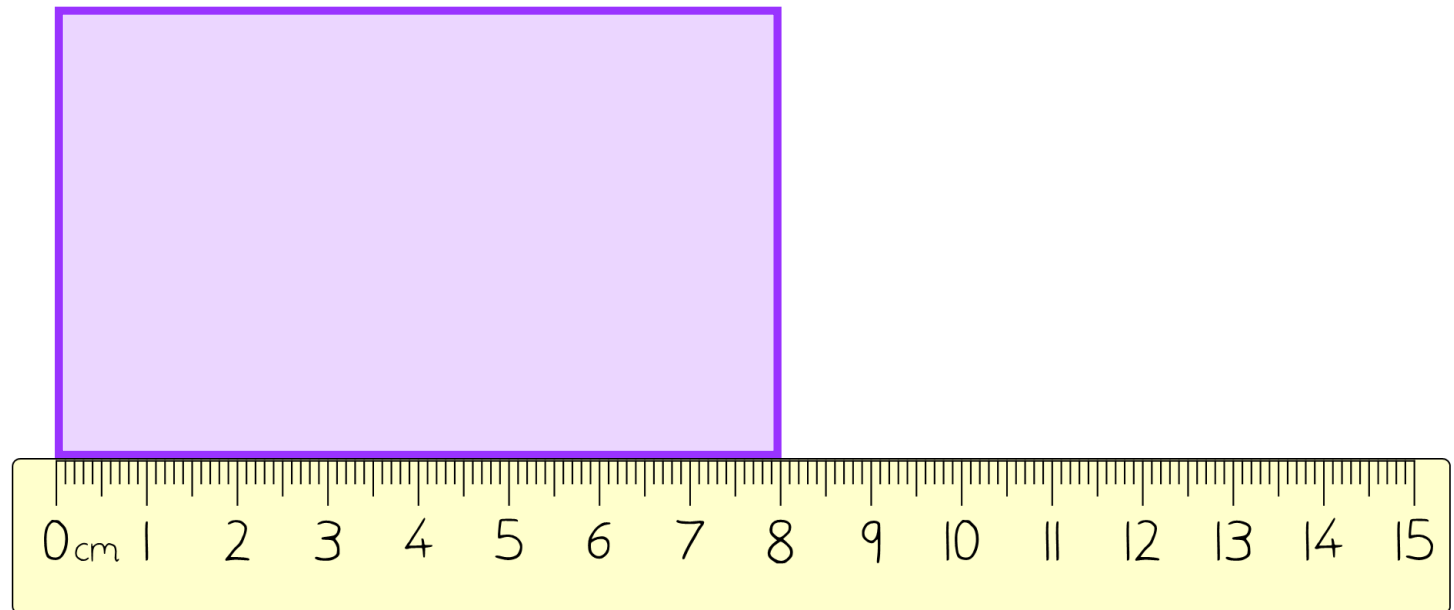
Learn it - Fluency

How could you measure the perimeter of this shape?



Learn it - Fluency

How could you measure the perimeter of this shape?



Learn it - Fluency

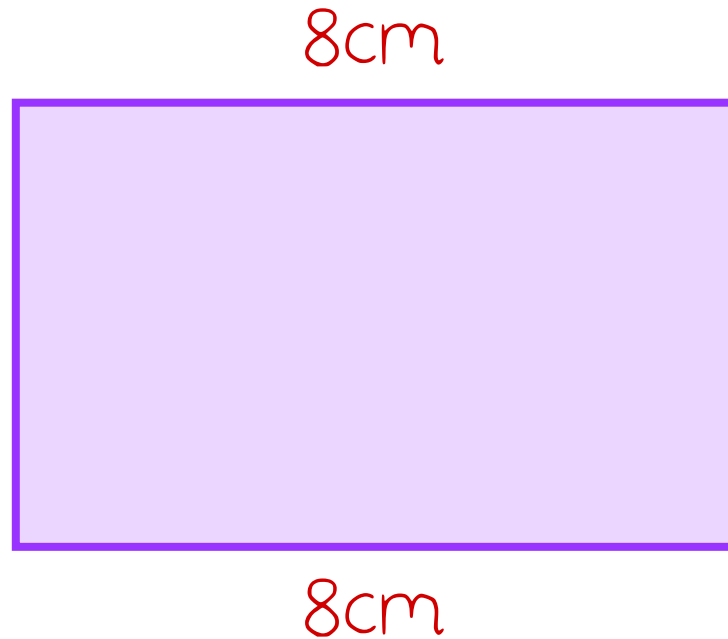
How could you measure the perimeter of this shape?



8cm

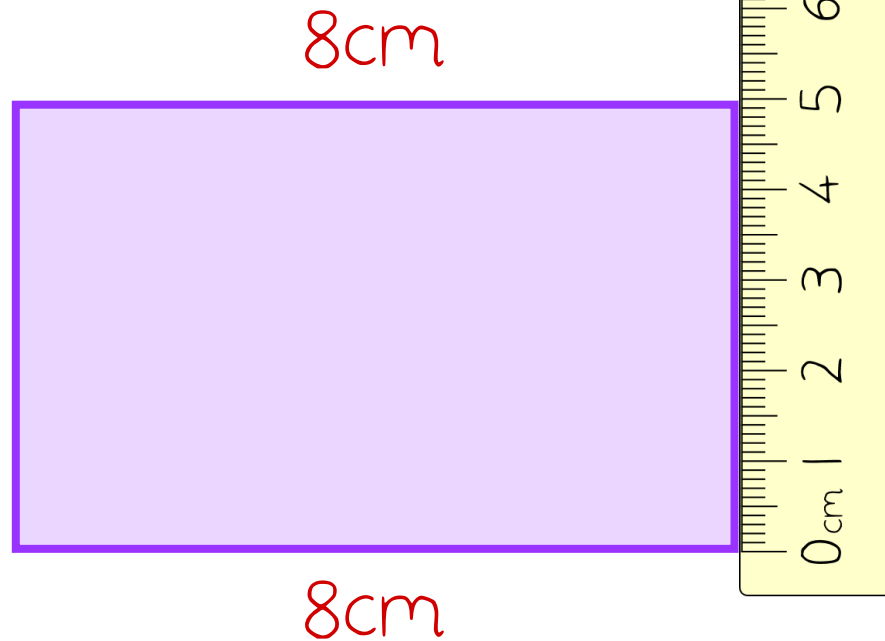
Learn it - Fluency

How could you measure the perimeter of this shape?



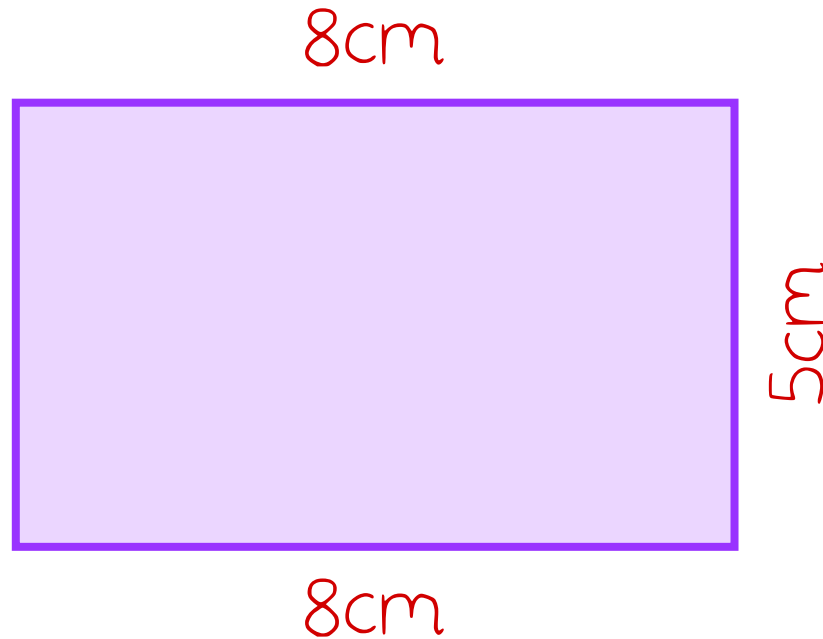
Learn it - Fluency

How could you measure the perimeter of the shape?



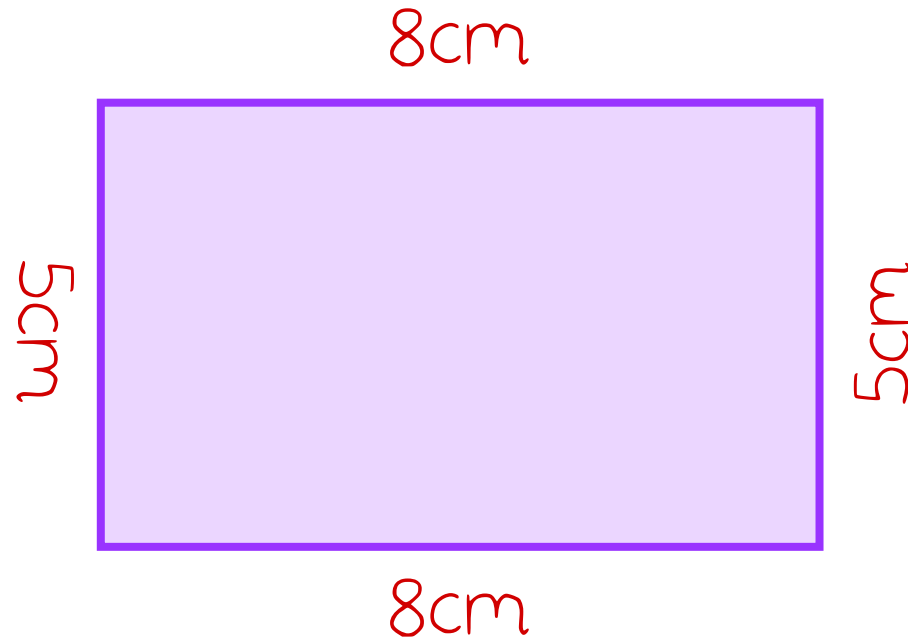
Learn it - Fluency

How could you measure the perimeter of this shape?



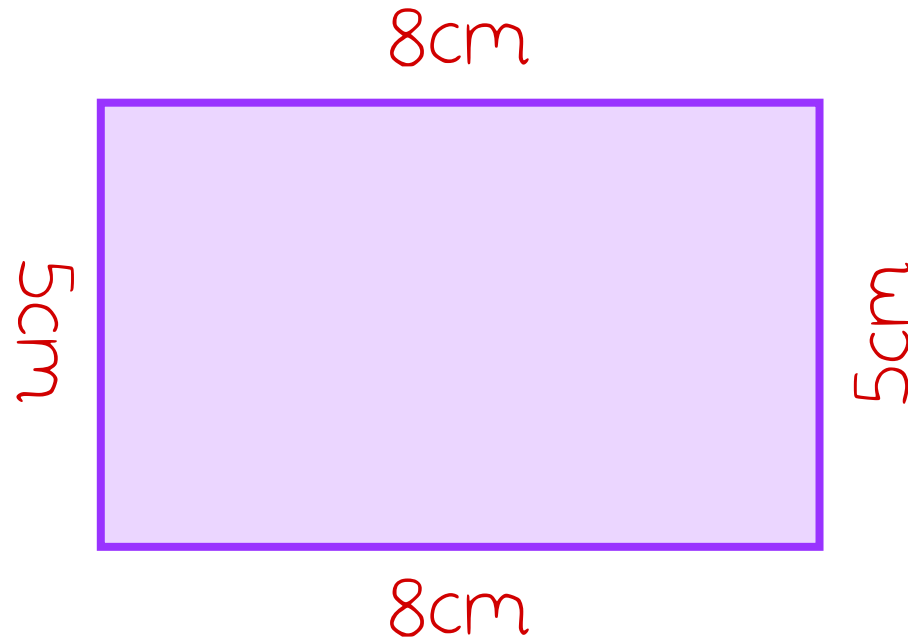
Learn it - Fluency

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Learn it - Fluency

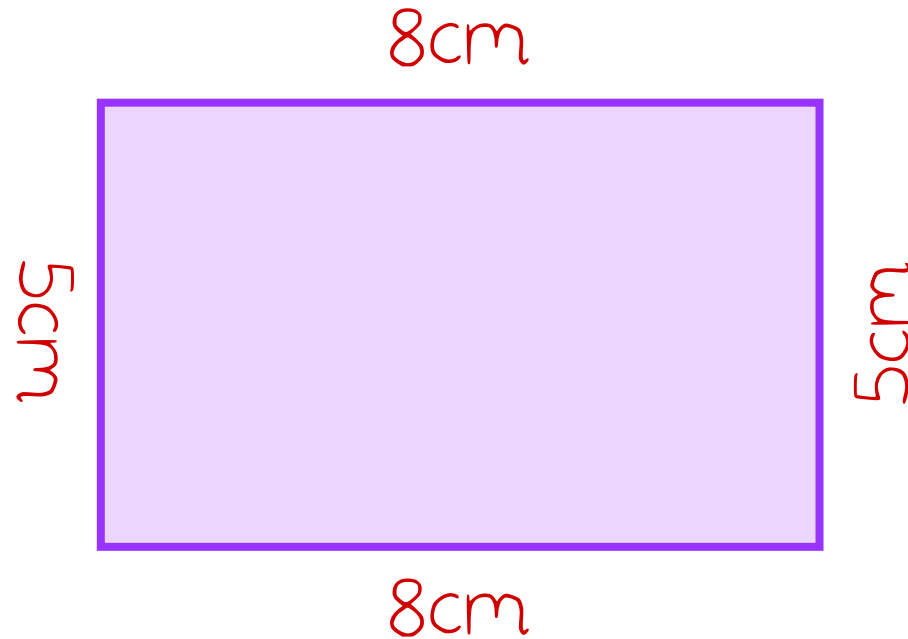
How could you measure the perimeter of this shape?



$$8\text{cm} + 5\text{cm} + 8\text{cm} + 5\text{cm}$$

Learn it - Fluency

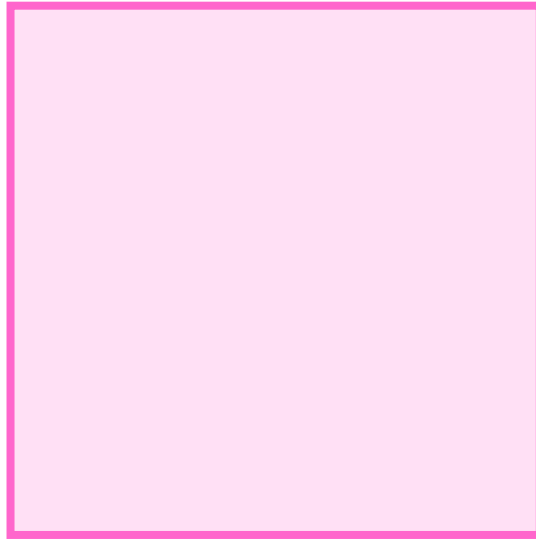
How could you measure the perimeter of this shape?



$$8\text{cm} + 5\text{cm} + 8\text{cm} + 5\text{cm} = 26\text{cm}$$

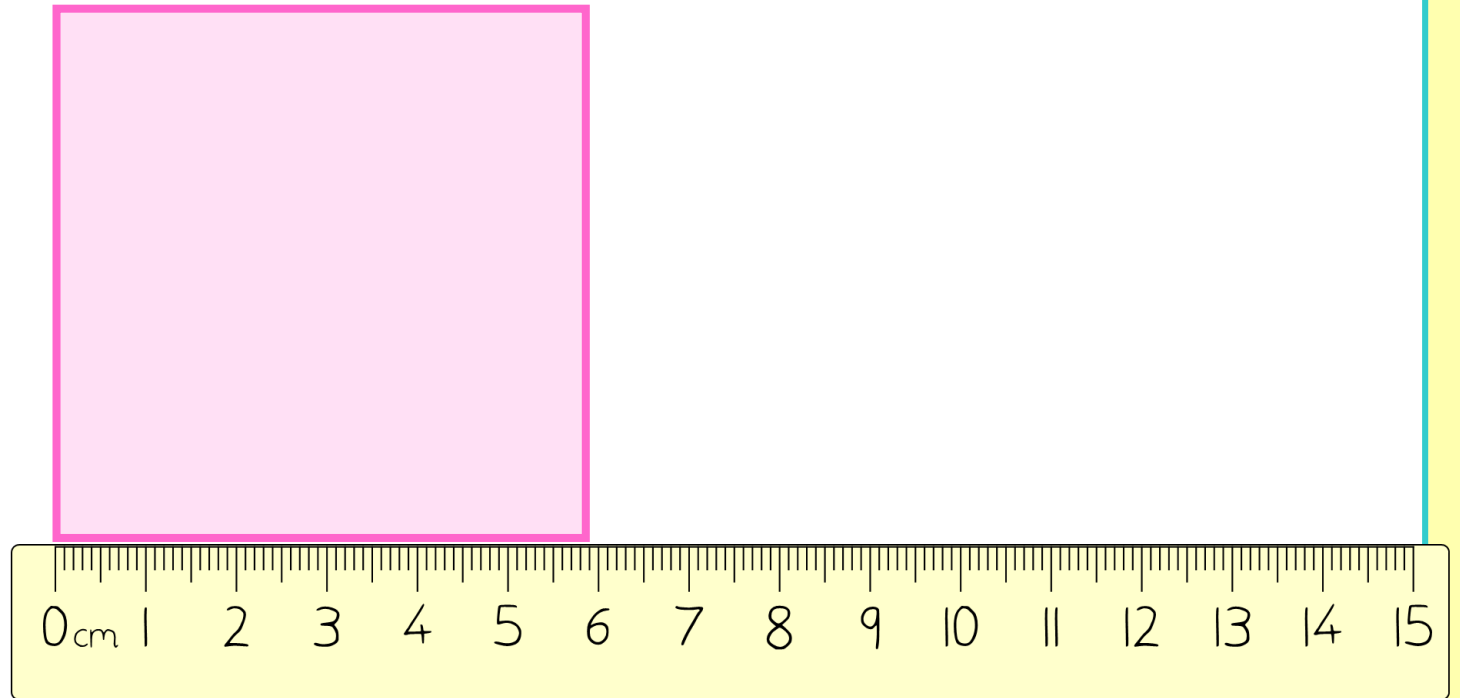
Learn it - Fluency

How could you measure the perimeter of this shape?



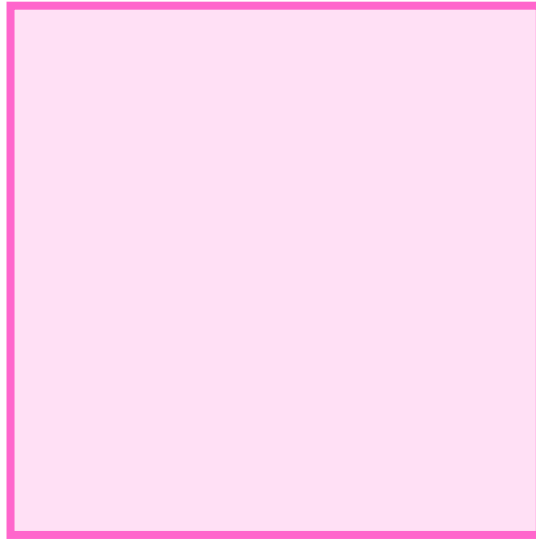
Learn it - Fluency

How could you measure the perimeter of this shape?



Learn it - Fluency

How could you measure the perimeter of this shape?



6cm

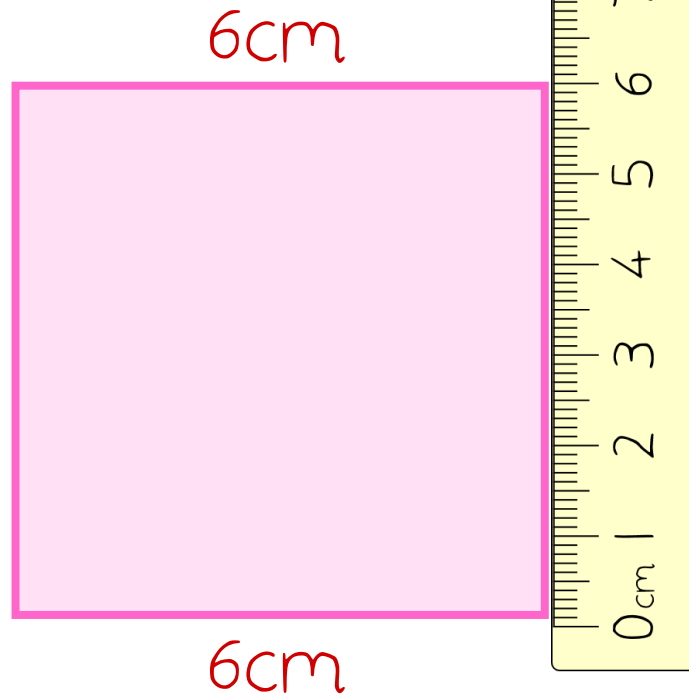
Learn it - Fluency

How could you measure the perimeter of this shape?



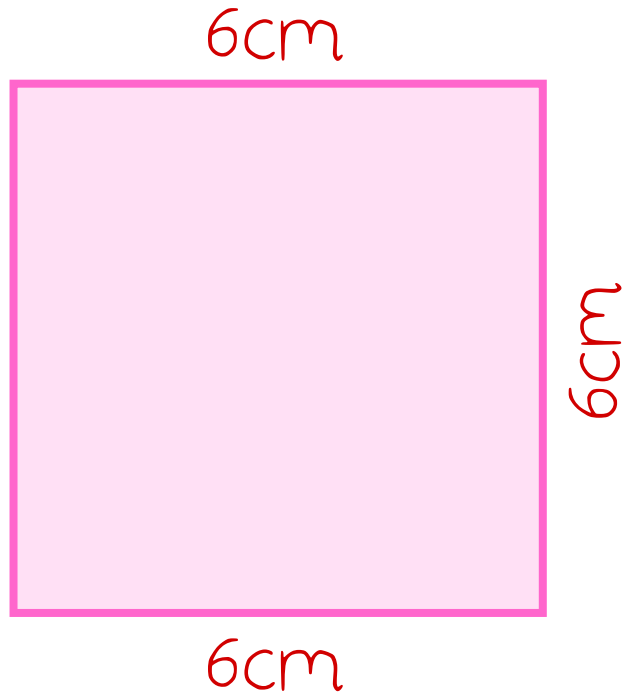
Learn it - Fluency

How could you measure the perimeter of this shape?



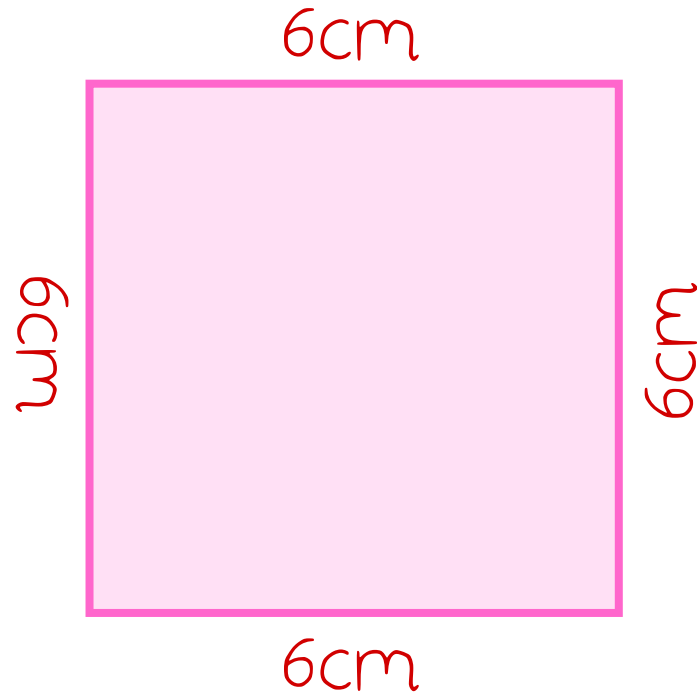
Learn it - Fluency

How could you measure the perimeter of this shape?



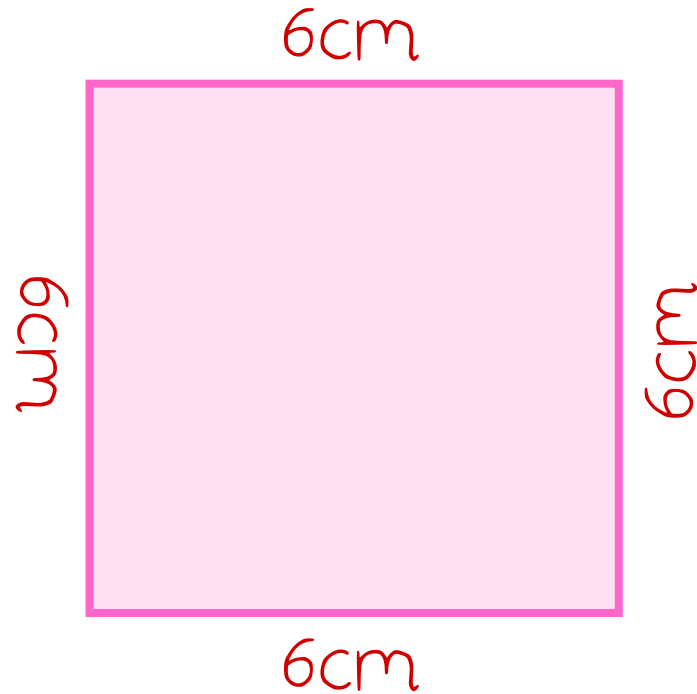
Learn it - Fluency

How could you measure the perimeter of this shape?



Learn it - Fluency

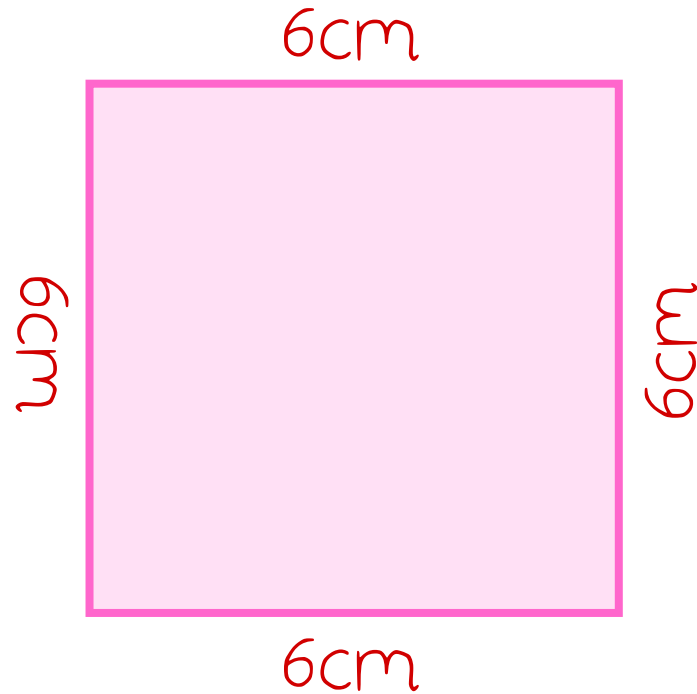
How could you measure the perimeter of this shape?



$$6\text{cm} + 6\text{cm} + 6\text{cm} + 6\text{cm}$$

Learn it - Fluency

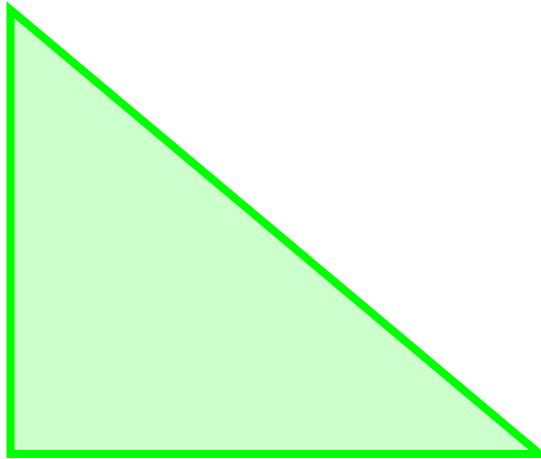
How could you measure the perimeter of this shape?



$$6\text{cm} + 6\text{cm} + 6\text{cm} + 6\text{cm} = 24\text{cm}$$

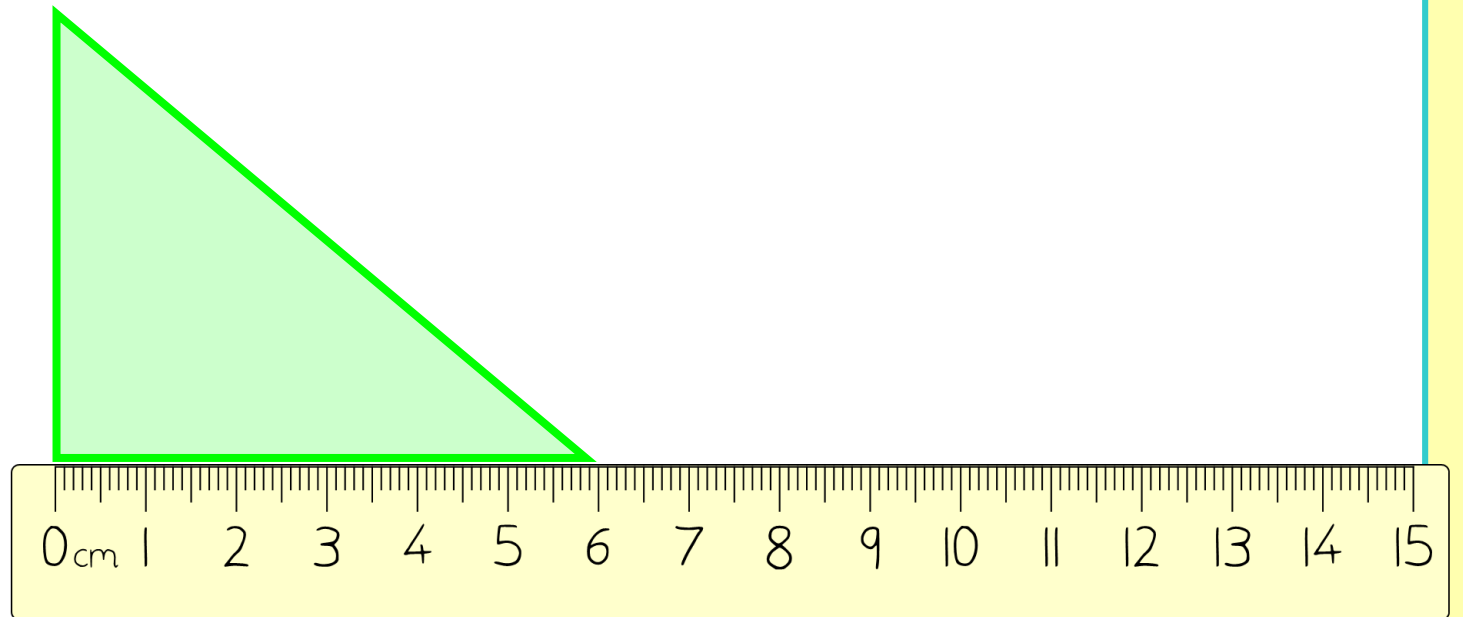
Learn it - Fluency

How could you measure the perimeter of this shape?



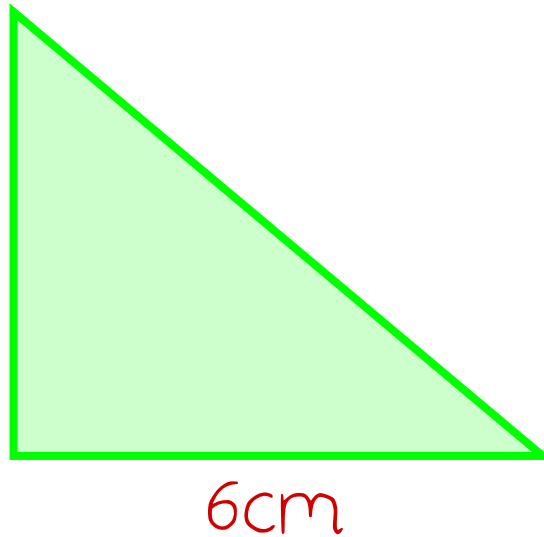
Learn it - Fluency

How could you measure the perimeter of this shape?



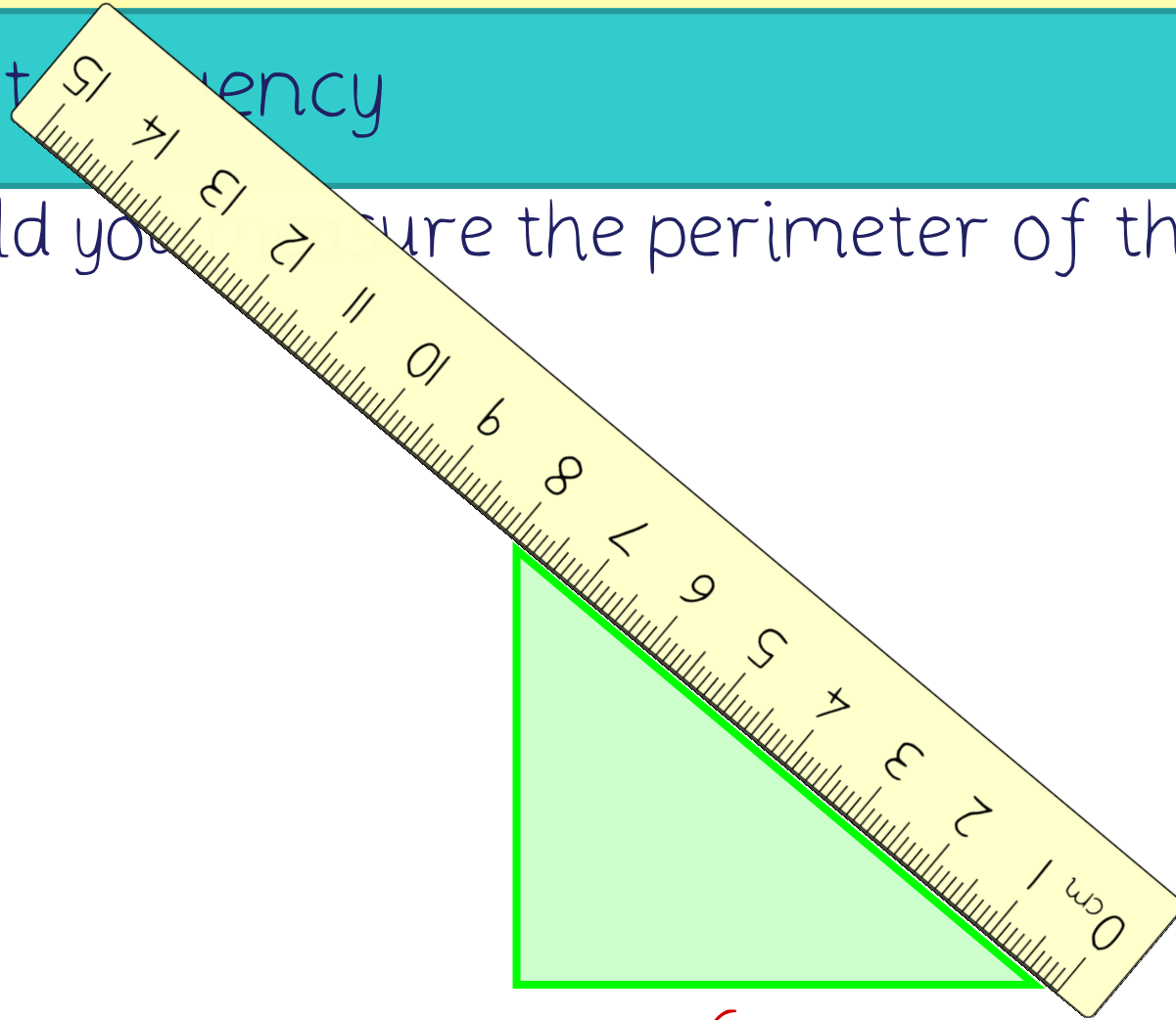
Learn it - Fluency

How could you measure the perimeter of this shape?



Learn it frequently

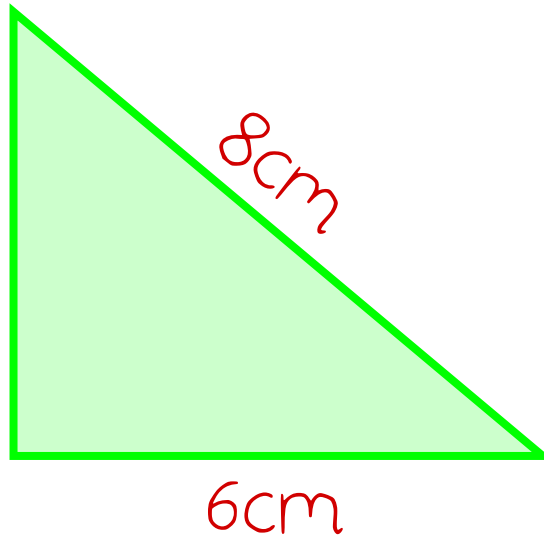
How could you measure the perimeter of this shape?



6cm

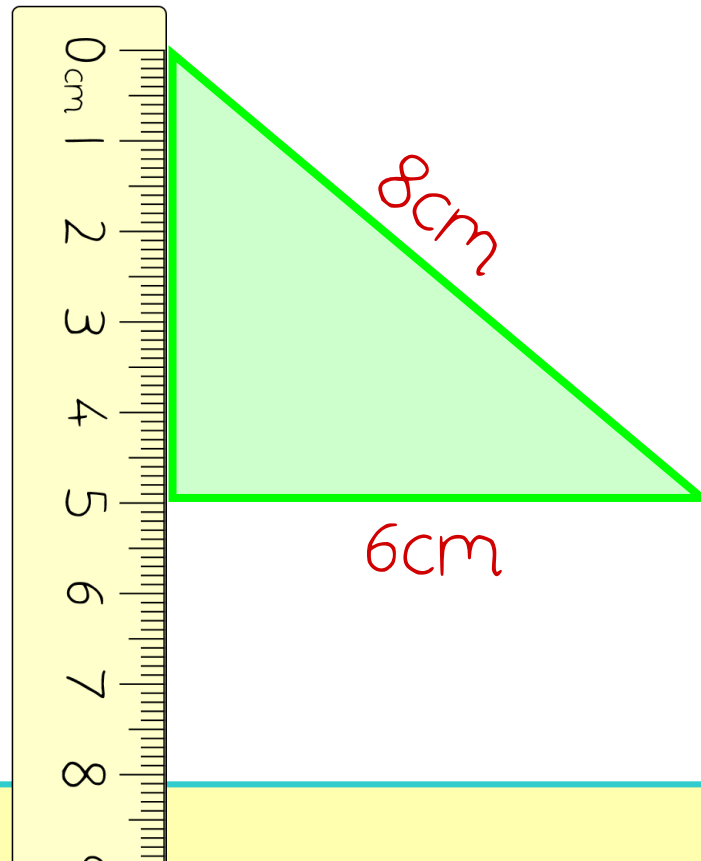
Learn it - Fluency

How could you measure the perimeter of this shape?



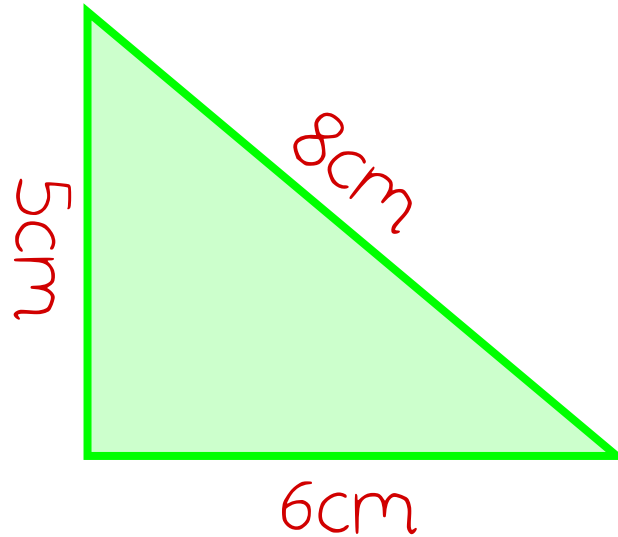
Learn it - Fluency

How could you measure the perimeter of this shape?



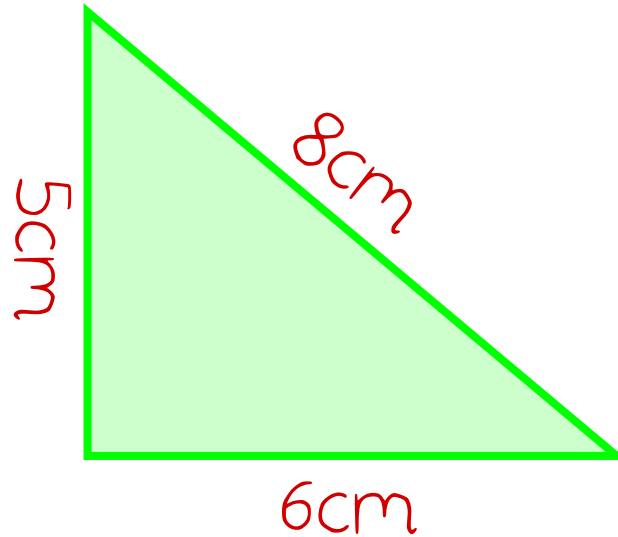
Learn it - Fluency

How could you measure the perimeter of this shape?



Learn it - Fluency

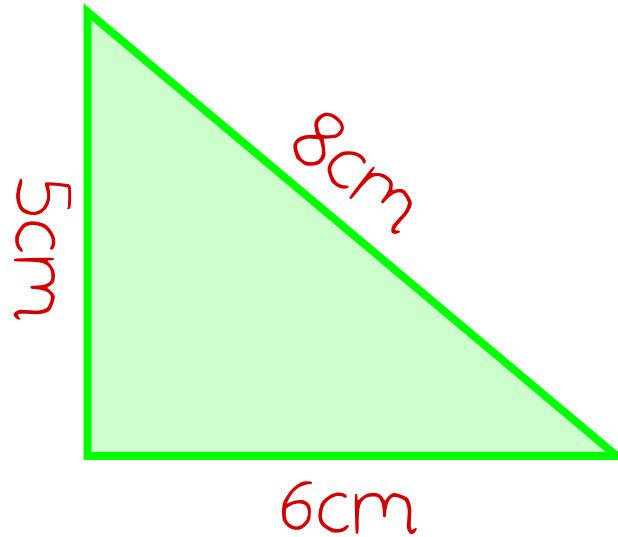
How could you measure the perimeter of this shape?



$$6\text{cm} + 8\text{cm} + 5\text{cm}$$

Learn it - Fluency

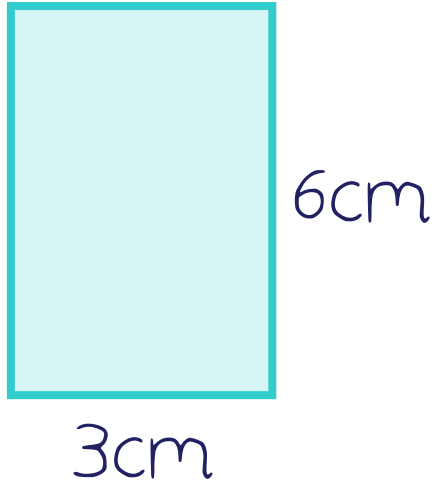
How could you measure the perimeter of this shape?



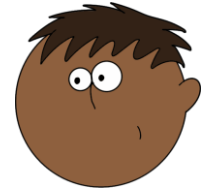
$$6\text{cm} + 8\text{cm} + 5\text{cm} = 19\text{cm}$$

Learn it - Reasoning and problem solving

Sam is measuring the rectangle.



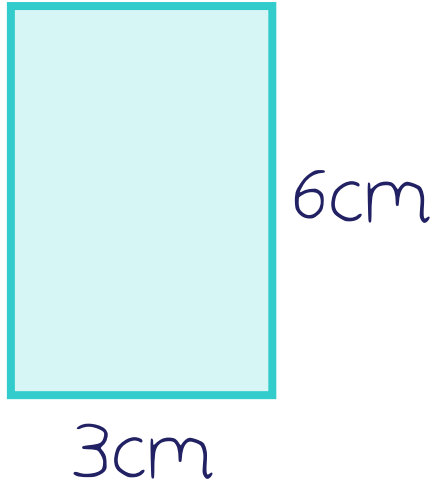
The perimeter is 9cm.



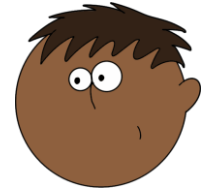
Do you agree with him? Explain your answer.

Learn it - Reasoning and problem solving

Sam is measuring the rectangle.



The perimeter is 9cm.

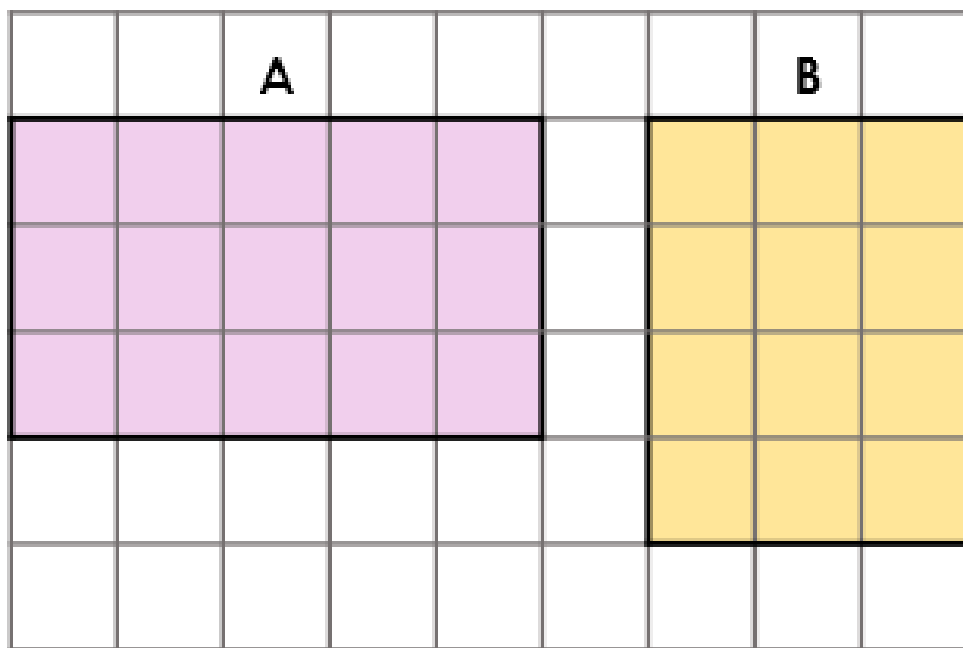


Do you agree with him? Explain your answer.

No. He has **only** included **two** of the sides. He needs all the sides to find the perimeter. The perimeter of the rectangle is 18cm.

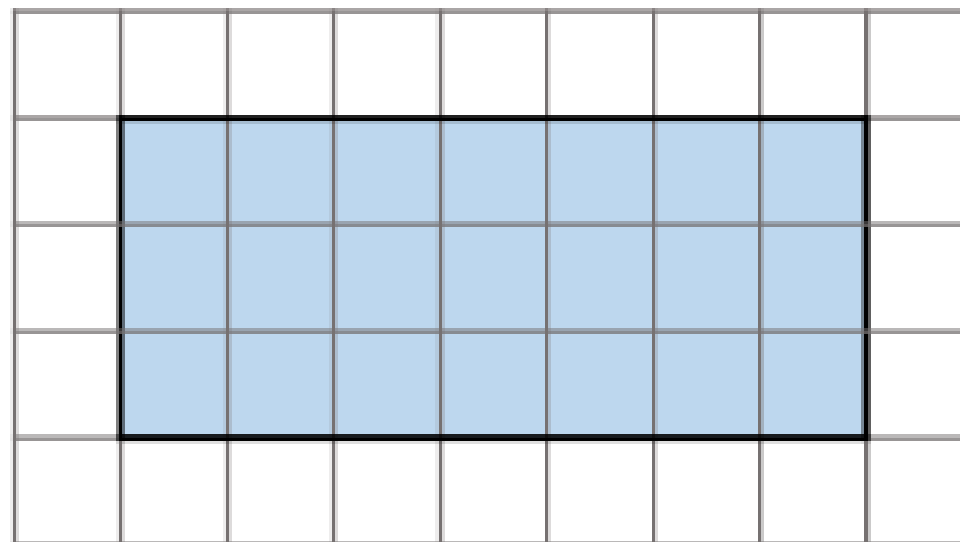
Task time!

1. Circle the shape with the shortest perimeter.



cm squares not to scale

2. Find the perimeter of the shape below.

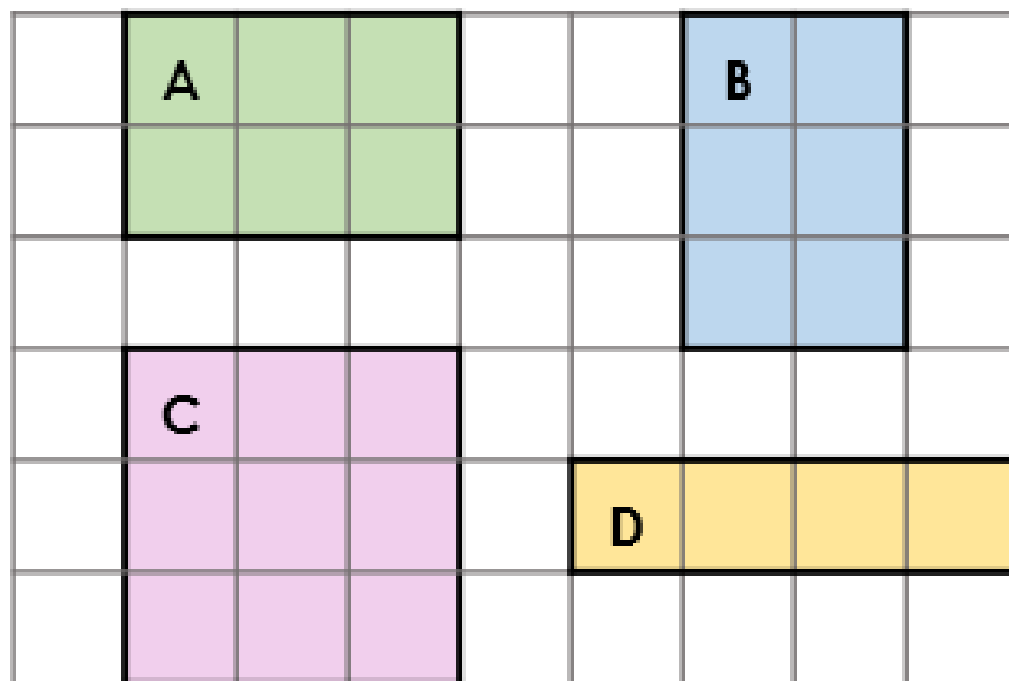


The perimeter is cm.

cm squares not to scale

Task time!

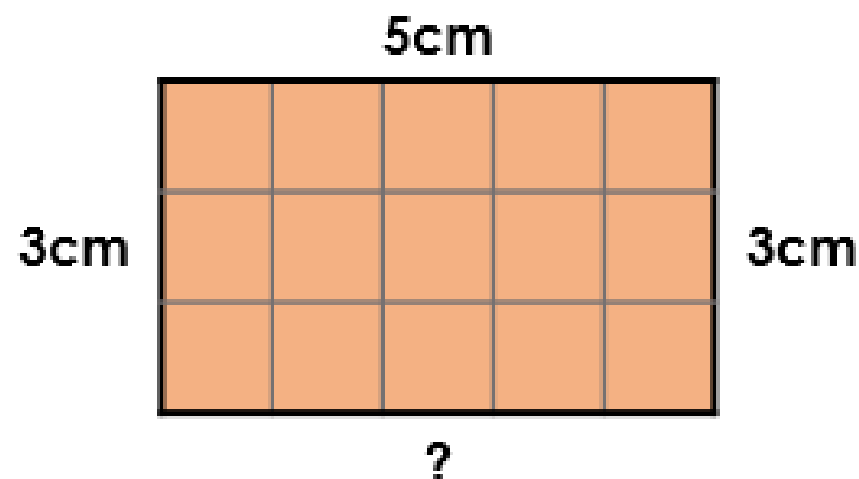
3. Circle the odd one out.



Explain your choice.

cm squares not to scale

4. The perimeter of the shape below is 16cm.

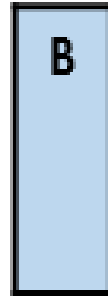
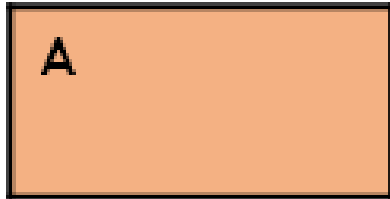


How long is the missing side?

cm squares not to scale

Task time!

5. Tom and Ann each draw a shape.



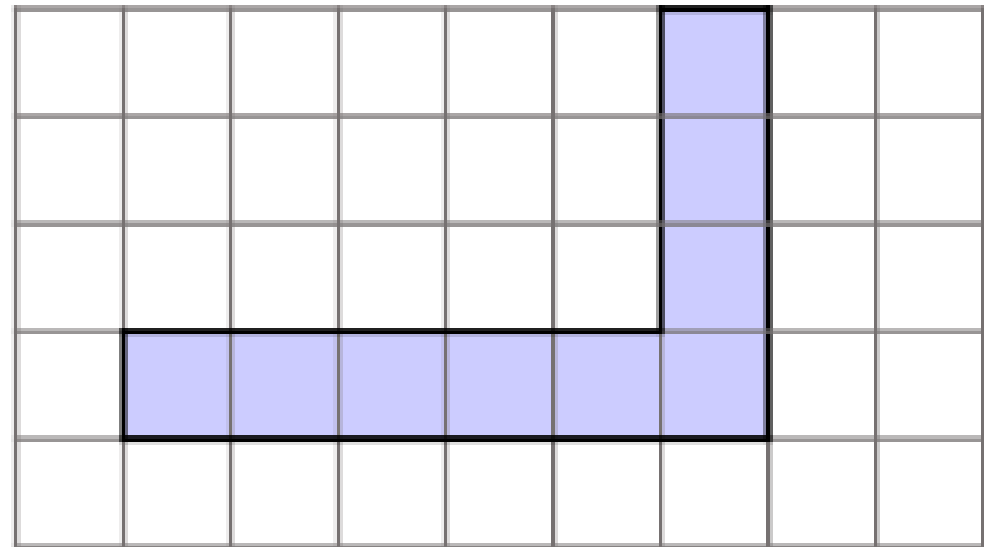
The measurements for Tom's shape are:
1cm, 3cm, 1cm, 3cm.

The measurements for Ann's shape are:
4cm, 2cm, 4cm, 2cm.

Which shape did they each draw?
Convince me.

cm squares not to scale

6. Find the perimeter of the shape below.



The perimeter is cm.

cm squares not to scale

Answers:

1. B
2. 20cm
3. C because the other shapes have a 10cm perimeter
4. 5cm
5. Ann drew A and Tom drew B. Ann's measurements give a 12cm perimeter and Tom's give an 8cm perimeter. A has a longer perimeter than B
6. 20cm