

LI: To calculate perimeter.

Perimeter - Lesson 2 (Green Class)

Recap it

What is perimeter?

## Recap it

What is perimeter?

The distance around the  
edge of a shape?

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What is perimeter?

The distance around the  
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The space in the middle of a  
shape?

## Recap it

What is perimeter?

The distance around the edge of a shape?

The distance from one corner to the other, diagonally?

The space in the middle of a shape?

## Recap it

What is perimeter?

The distance around the edge of a shape?

The distance from one corner to the other, diagonally?

The space in the middle of a shape?

The length of the longest side?

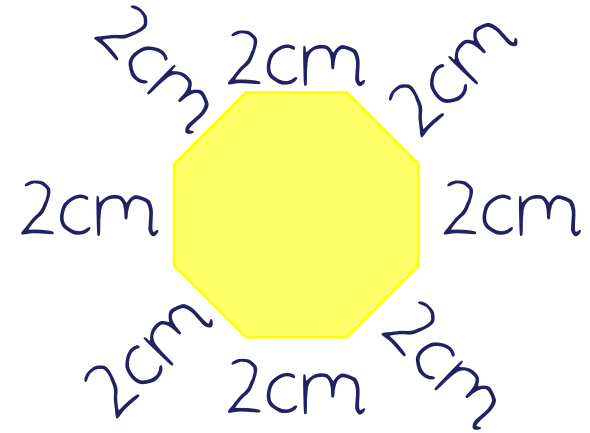
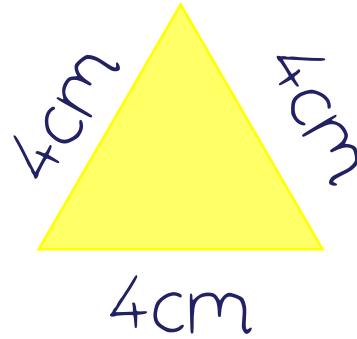
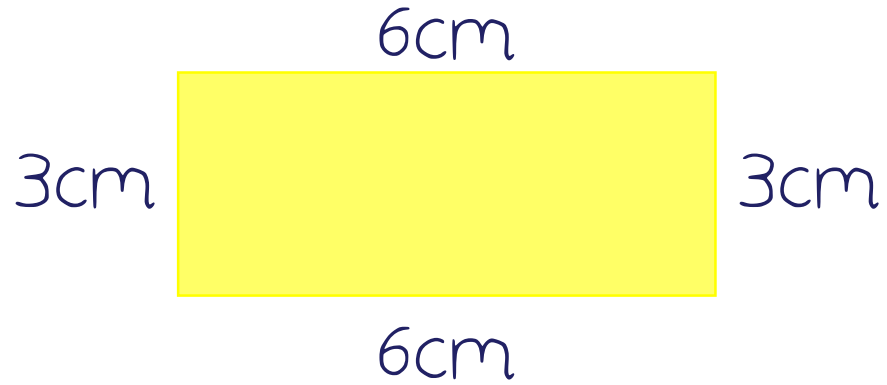
Recap it

What is perimeter?

The distance around the  
edge of a shape.

## Learn it - Fluency

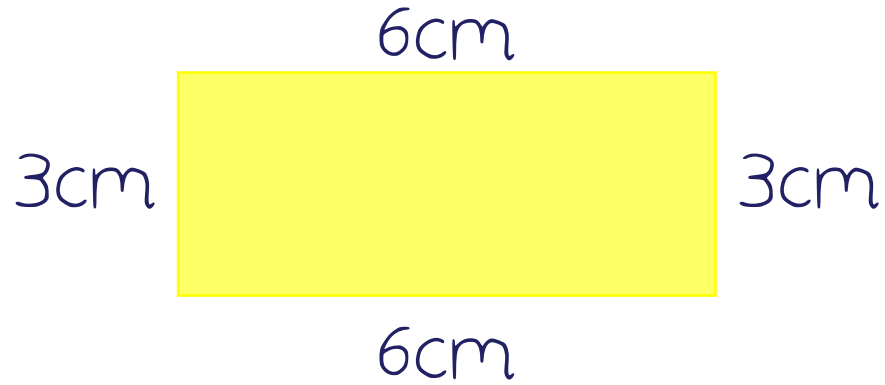
Calculate the perimeter of these shapes.



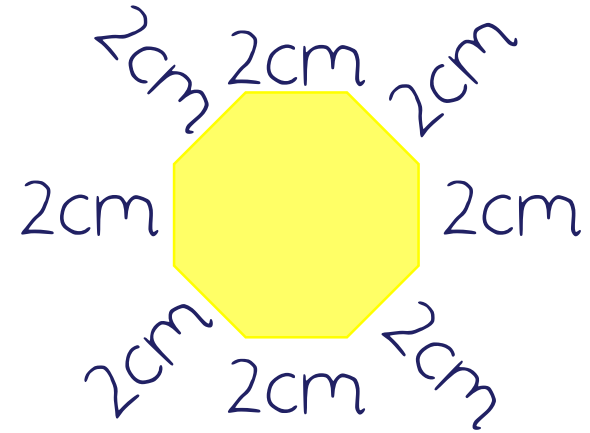
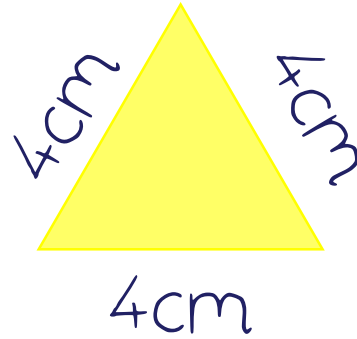


## Learn it - Fluency

Calculate the perimeter of these shapes.

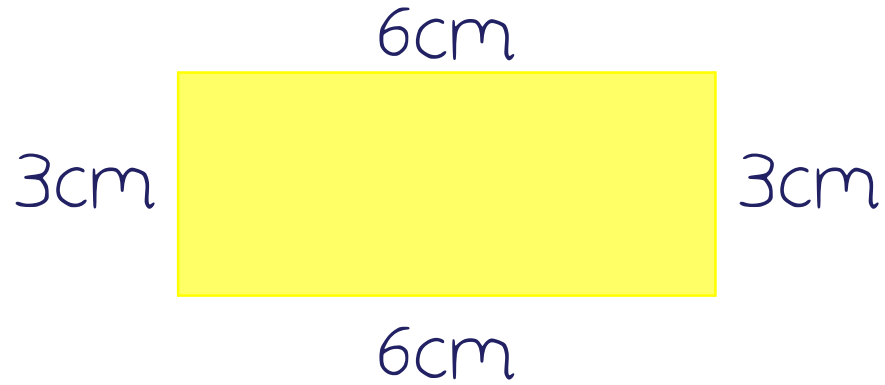


$$6\text{cm} + 3\text{cm} + 6\text{cm} + 3\text{cm}$$



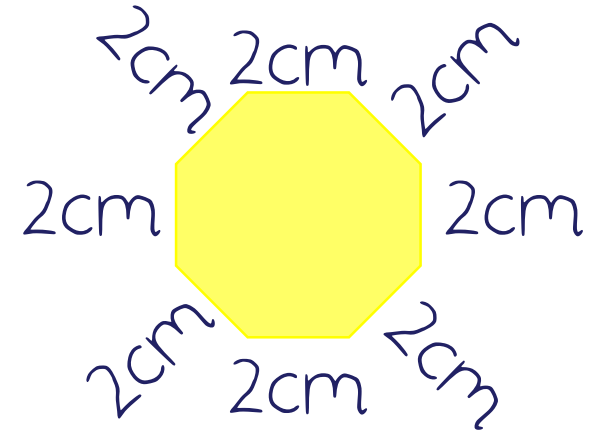
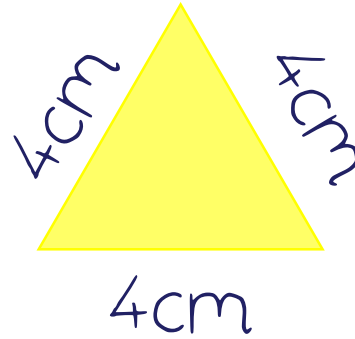
## Learn it - Fluency

Calculate the perimeter of these shapes.



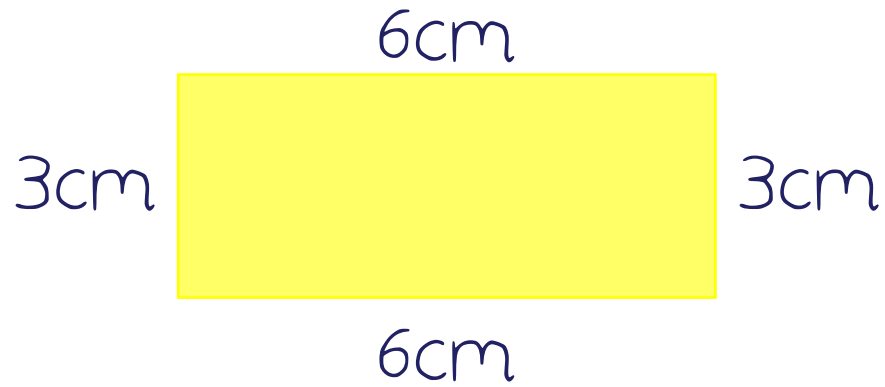
$$6\text{cm} + 3\text{cm} + 6\text{cm} + 3\text{cm}$$

18cm



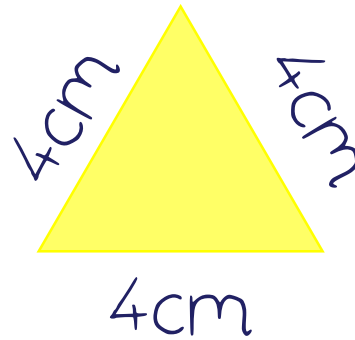
## Learn it - Fluency

Calculate the perimeter of these shapes.

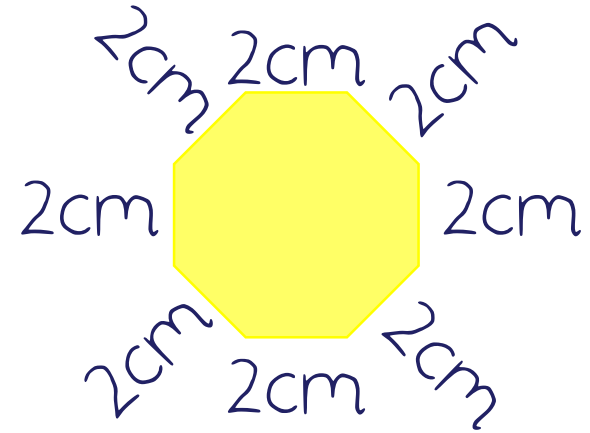


$$6\text{cm} + 3\text{cm} + 6\text{cm} + 3\text{cm}$$

18cm

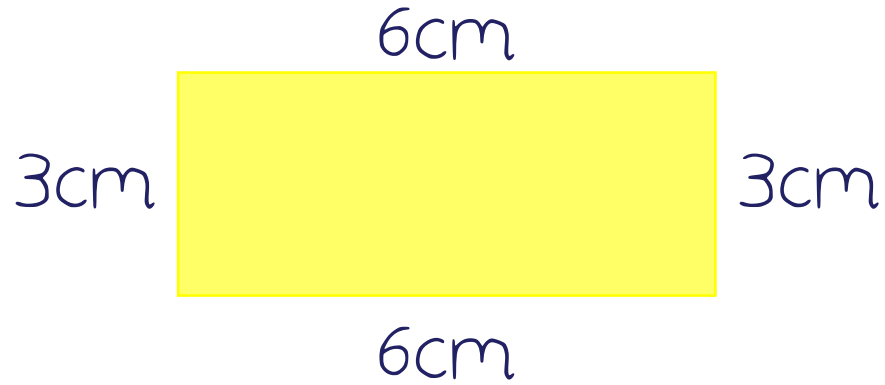


$$4\text{cm} + 4\text{cm} + 4\text{cm}$$



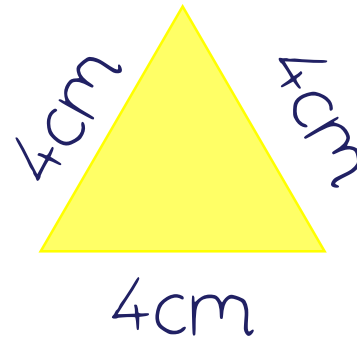
## Learn it - Fluency

Calculate the perimeter of these shapes.



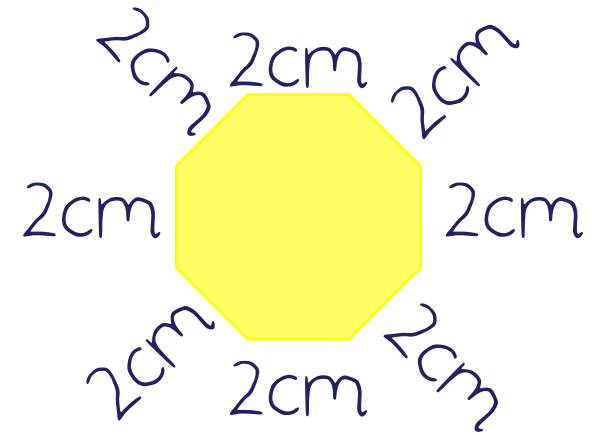
$$6\text{cm} + 3\text{cm} + 6\text{cm} + 3\text{cm}$$

18cm



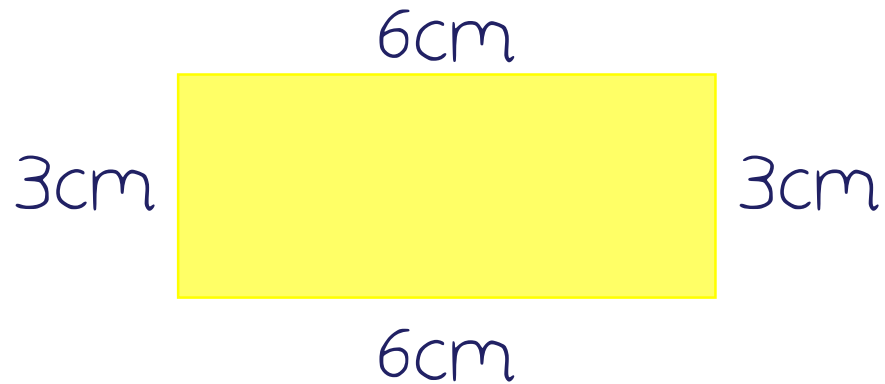
$$4\text{cm} + 4\text{cm} + 4\text{cm}$$

12cm



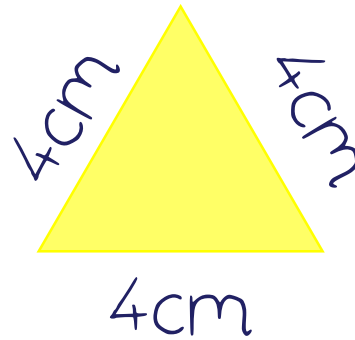
## Learn it - Fluency

Calculate the perimeter of these shapes.



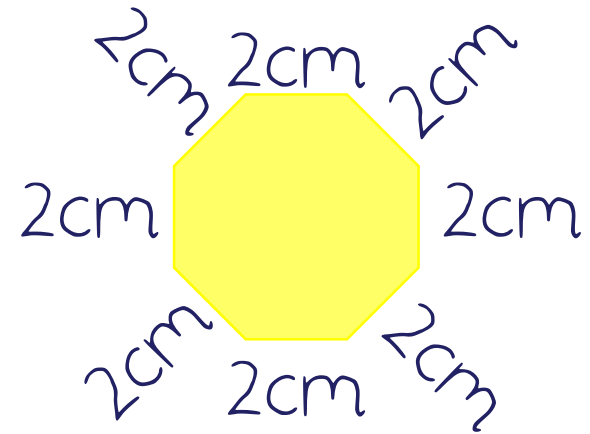
$$6\text{cm} + 3\text{cm} + 6\text{cm} + 3\text{cm}$$

18cm



$$4\text{cm} + 4\text{cm} + 4\text{cm}$$

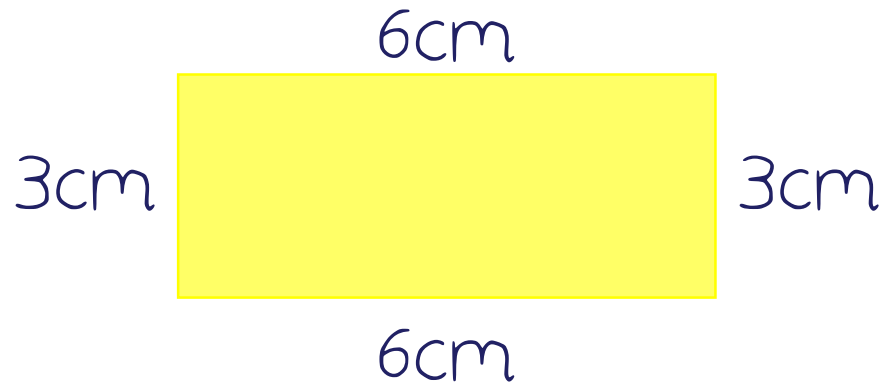
12cm



$$2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm}$$

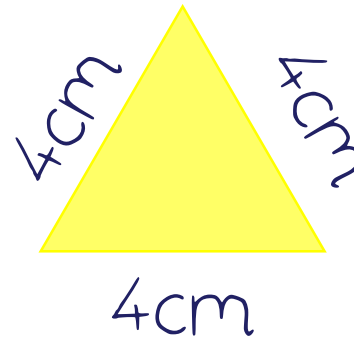
## Learn it - Fluency

Calculate the perimeter of these shapes.



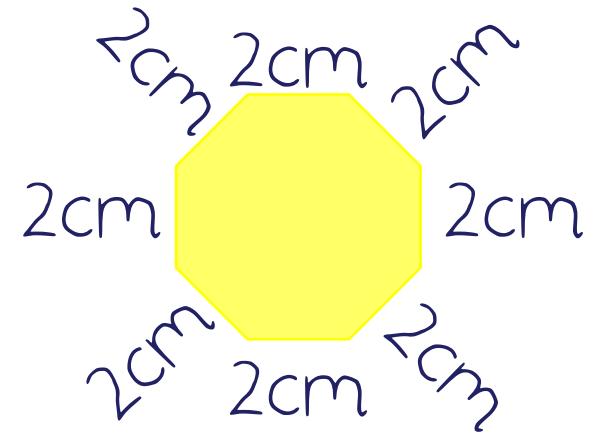
$$6\text{cm} + 3\text{cm} + 6\text{cm} + 3\text{cm}$$

$$18\text{cm}$$



$$4\text{cm} + 4\text{cm} + 4\text{cm}$$

$$12\text{cm}$$

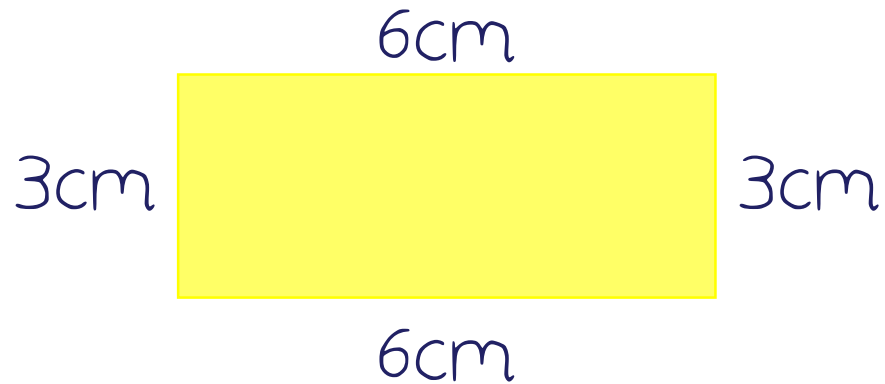


$$2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm}$$

$$\text{Or } 2\text{cm} \times 8$$

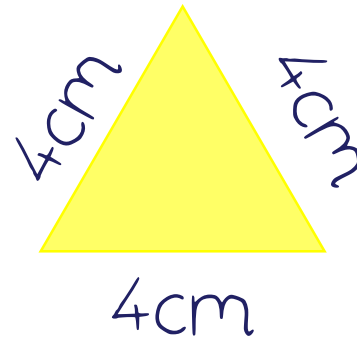
## Learn it - Fluency

Calculate the perimeter of these shapes.



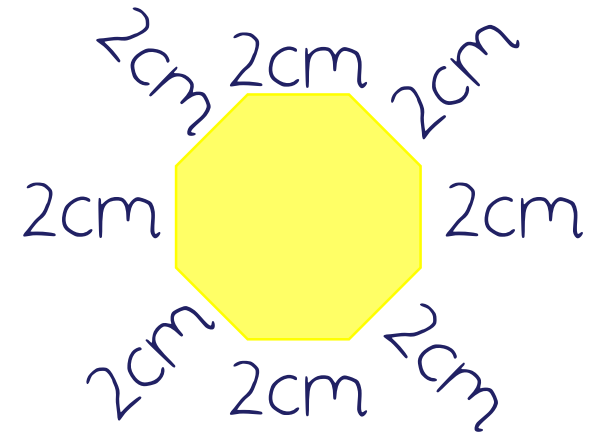
$$6\text{cm} + 3\text{cm} + 6\text{cm} + 3\text{cm}$$

18cm



$$4\text{cm} + 4\text{cm} + 4\text{cm}$$

12cm



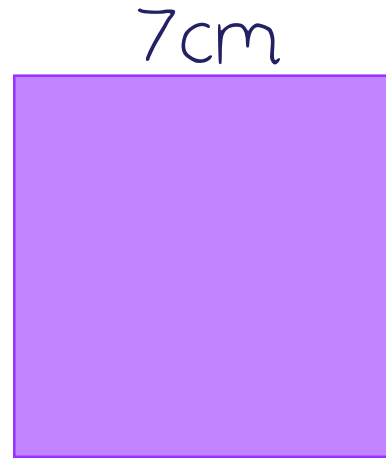
$$2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm}$$

$$\text{Or } 2\text{cm} \times 8$$

16cm

## Learn it - Fluency

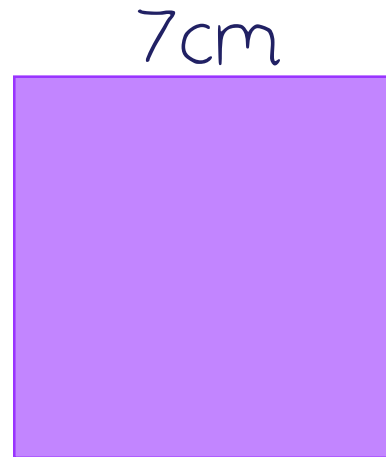
Use two different methods to calculate the perimeter of this square.





## Learn it - Fluency

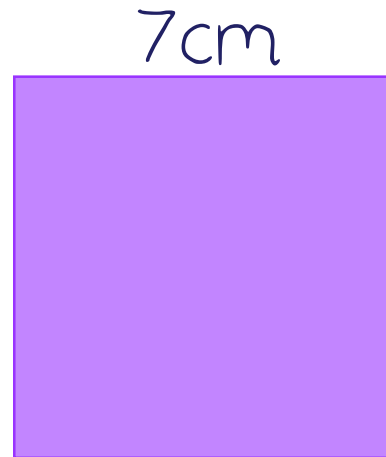
Use two different methods to calculate the perimeter of this square.



$$7\text{cm} + 7\text{cm} + 7\text{cm} + 7\text{cm} = 28\text{cm}$$

## Learn it - Fluency

Use two different methods to calculate the perimeter of this square.



$$7\text{cm} + 7\text{cm} + 7\text{cm} + 7\text{cm} = 28\text{cm}$$

$$7\text{cm} \times 4 = 28\text{cm}$$

## Learn it - Fluency

What is the length of the missing side?

9cm

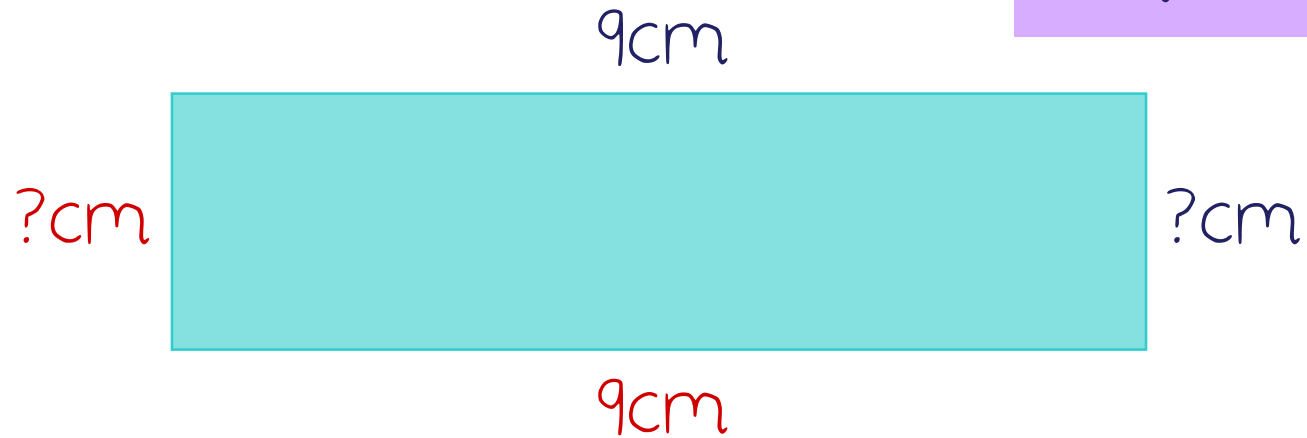


Perimeter = 22cm

## Learn it - Fluency

What is the length of the missing side?

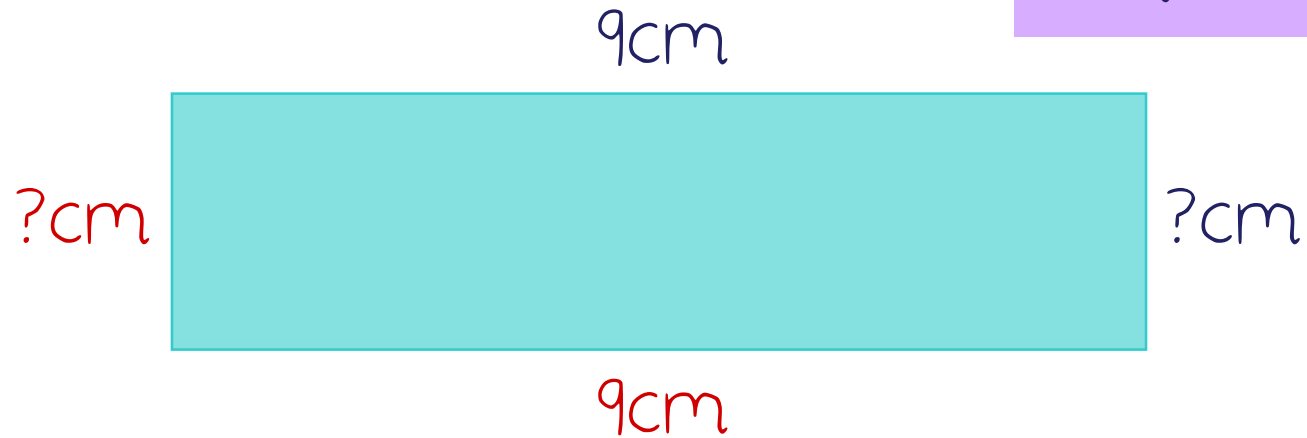
$$\text{Perimeter} = 22\text{cm}$$



## Learn it - Fluency

What is the length of the missing side?

Perimeter = 22cm

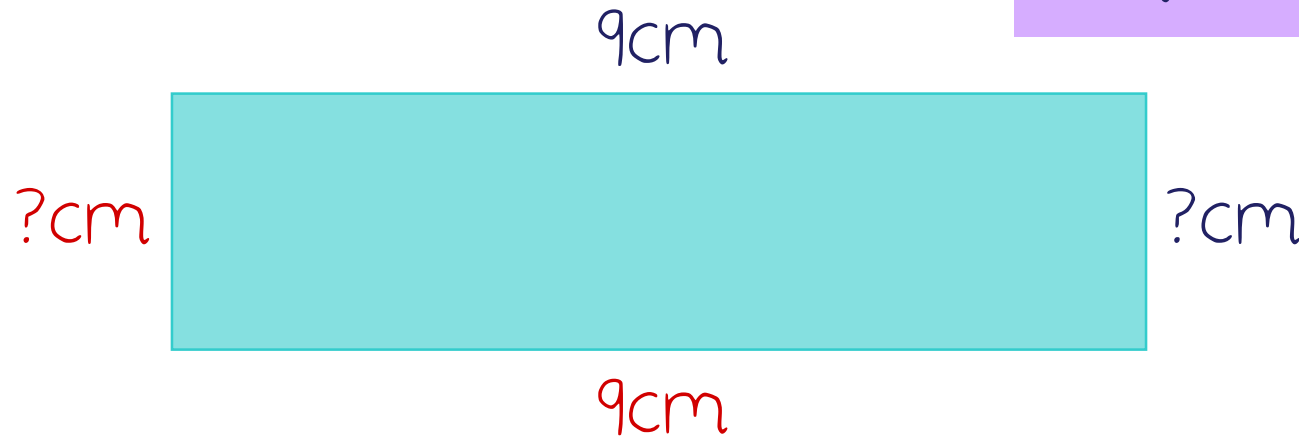


$$?cm + ?cm + 9cm + 9cm = 22cm$$

## Learn it - Fluency

What is the length of the missing side?

$$\text{Perimeter} = 22\text{cm}$$



$$?cm + ?cm + 9cm + 9cm = 22cm$$

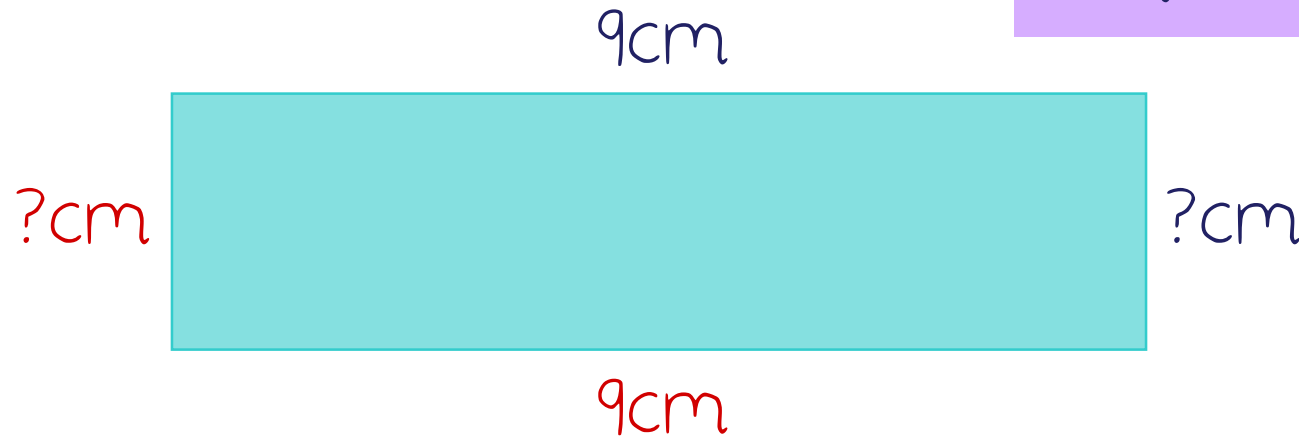
$$22cm - 9cm - 9cm = 4cm$$

$$4cm = ?cm + ?cm$$

## Learn it - Fluency

What is the length of the missing side?

$$\text{Perimeter} = 22\text{cm}$$



$$?cm + ?cm + 9cm + 9cm = 22cm$$

$$22cm - 9cm - 9cm = 4cm$$

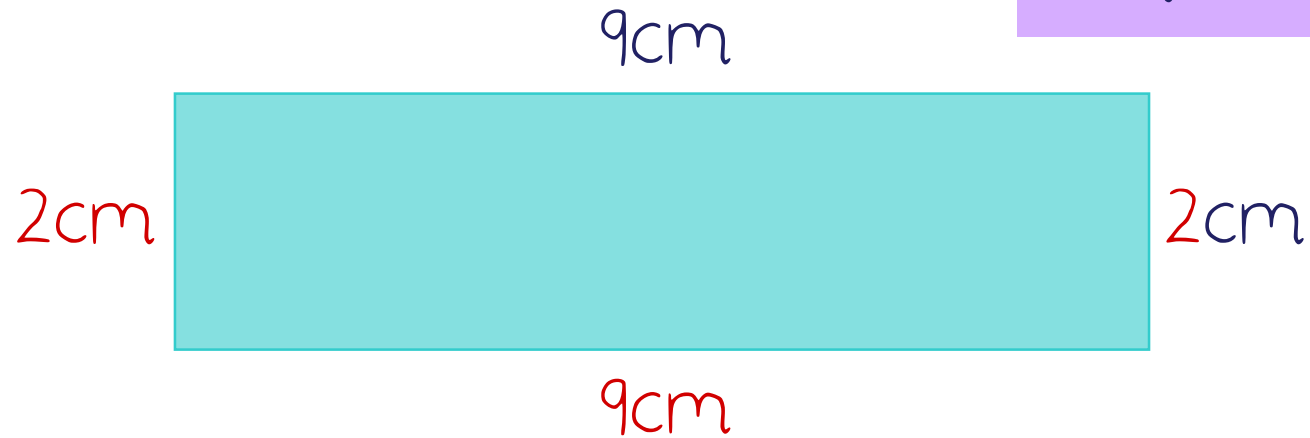
$$4cm = ?cm + ?cm$$

$$4cm \div 2 = 2cm$$

## Learn it - Fluency

What is the length of the missing side?

$$\text{Perimeter} = 22\text{cm}$$

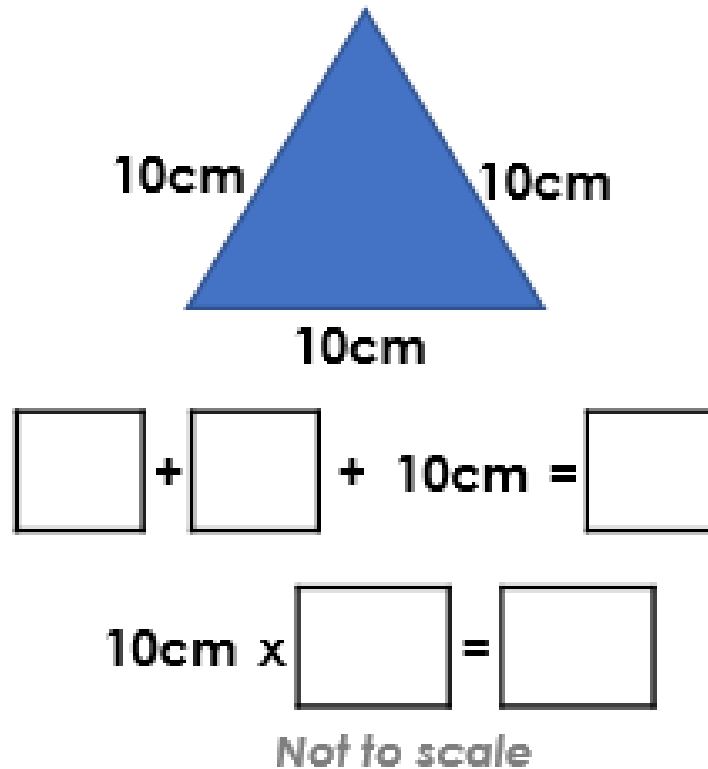


$$9\text{cm} + 9\text{cm} + 2\text{cm} + 2\text{cm} = 22\text{cm}$$

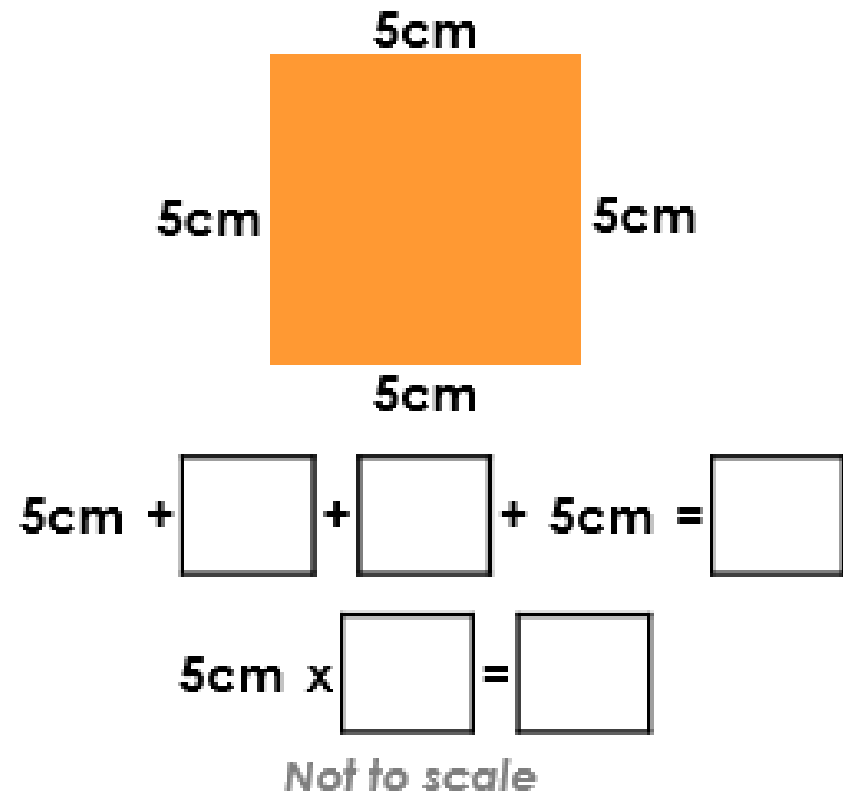


## Task time!

1. Complete the calculations to work out the perimeter of the triangle.

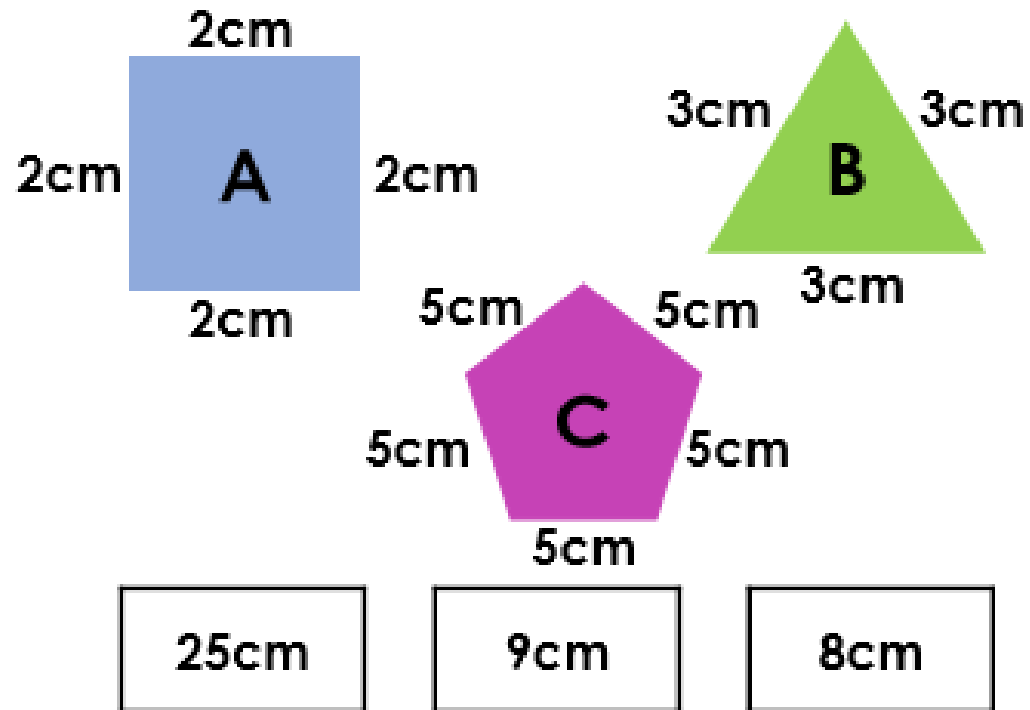


2. Complete the calculations to work out the perimeter of the square.



## Task time!

3. Match the shapes to their perimeters.

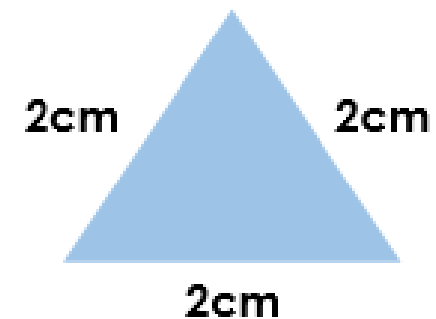


Not to scale

4. True or false? Explain why.



I can find the perimeter of my triangle by calculating  $2 + 2 + 2$ .



Not to scale

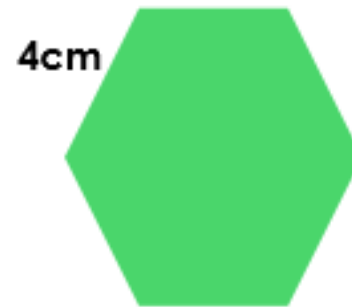
## Task time!

5. Look at the two shapes.  
Calculate the perimeter of both shapes.



5cm

6. Look at the two shapes.  
Calculate the perimeter of both shapes.



4cm

## Answers:

1.  $10\text{cm} + 10\text{cm} + 10\text{cm} = 30\text{cm}$ ,  $10 \times 3 = 30\text{cm}$
2.  $5\text{cm} + 5\text{cm} + 5\text{cm} + 5\text{cm} = 20\text{cm}$ ,  $5 \times 4 = 20\text{cm}$
3.  $A = 8\text{cm}$ ,  $B = 9\text{cm}$ ,  $C = 25\text{cm}$
4. True because there are 3 sides of 2cm
5. Various possible answers, for example: Same: all sides are equal on each shape, both have perimeters of 20cm. Different: shape names, side lengths, number of sides
6. Various possible answers, for example: Same: side lengths (4cm), all sides are equal on each shape. Different: shapes, number of sides, perimeters (24cm and 12cm)