

Can I calculate perimeter?

Year 3 Tuesday 9thth February 2021

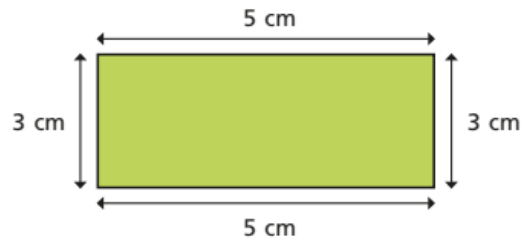
Watch the video

- <https://vimeo.com/427995317>
- Now complete the questions on the next slides

Calculate perimeter

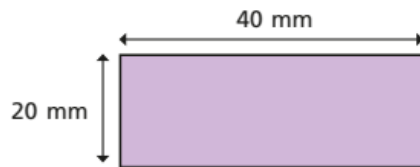
1 Work out the perimeter of each shape.

a)



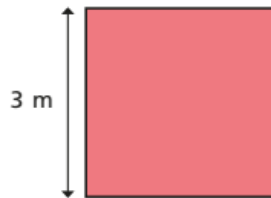
perimeter = cm

b)



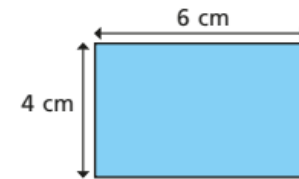
perimeter = mm

c)



perimeter = m

2 Rosie and Eva work out the perimeter of the shape below.



Rosie

$6 + 4 = 10$,
so the perimeter is
10 cm.



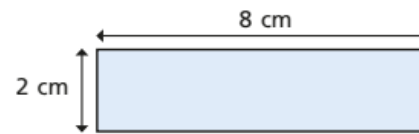
Eva

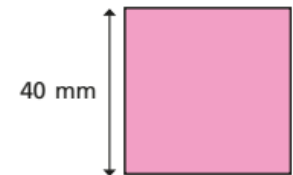
The perimeter is
20 cm.

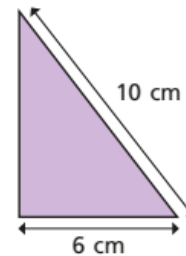
Who is correct? _____

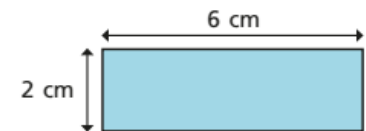
How do you know?

3 Tick the shapes with a perimeter of 16 cm.

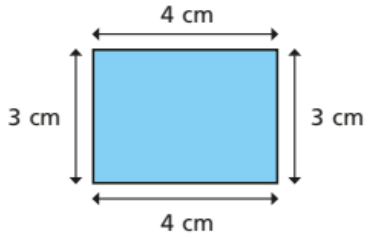


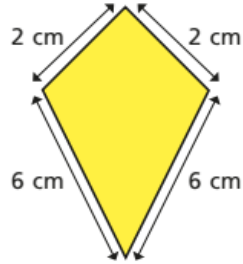


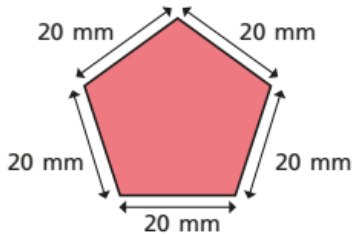




4 Which shape has the longest perimeter? Tick your answer.

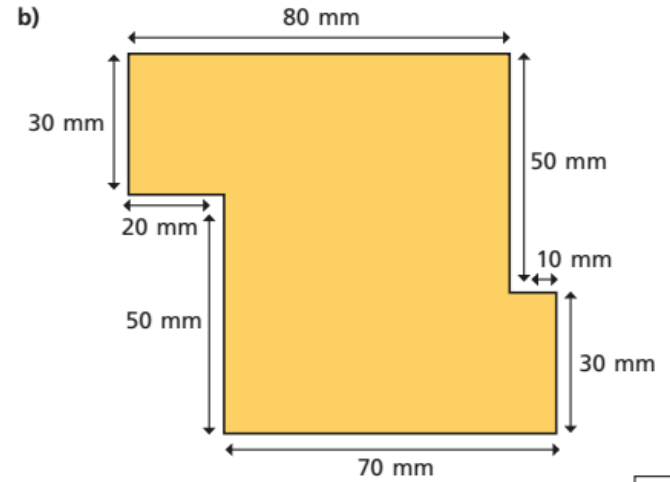
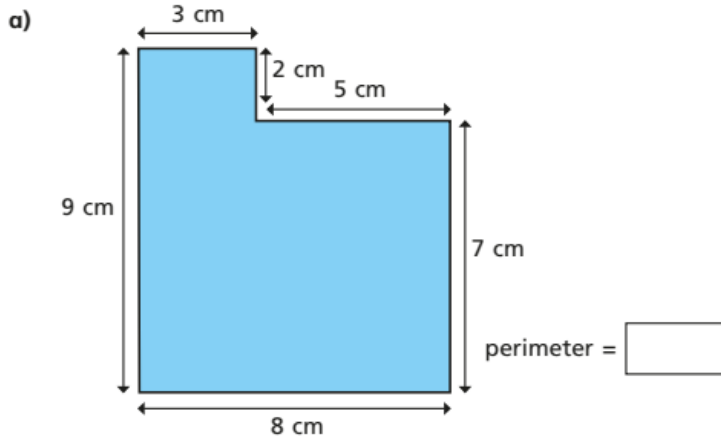






Show all your workings.

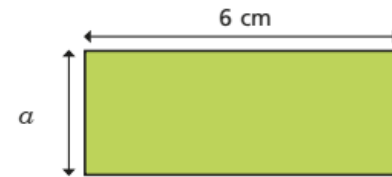
5 Work out the perimeter of these shapes.



perimeter =

What do you notice?

6 This rectangle has a perimeter of 18 cm.
Work out the length of side α .



perimeter = 18 cm

side α =

True or False ?

Calculate perimeter

There is more than one method to find the perimeter of a square.

ANSWER sheets

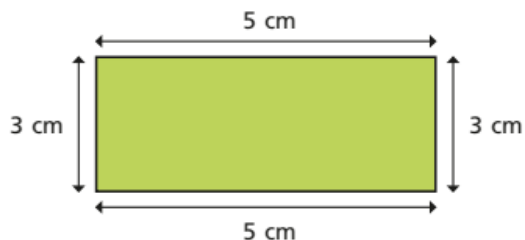
- Please check your answers using the answer sheets on the next slide.
- If you have made a mistake, can you explain what you did wrong and what you should have done instead?

Calculate perimeter

Maths

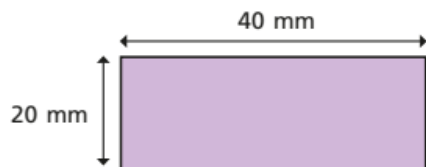
1 Work out the perimeter of each shape.

a)



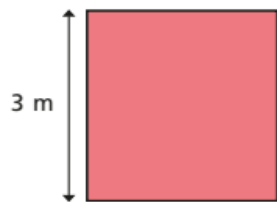
perimeter = cm

b)



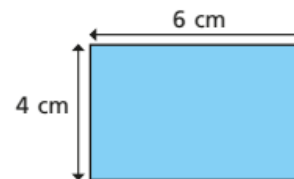
perimeter = mm

c)



perimeter = m

2 Rosie and Eva work out the perimeter of the shape below.



Rosie

6 + 4 = 10,
so the perimeter is
10 cm.



Eva

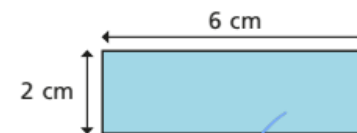
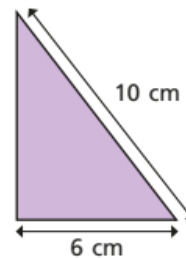
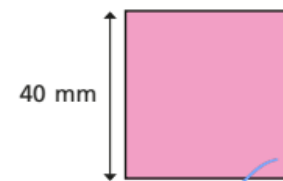
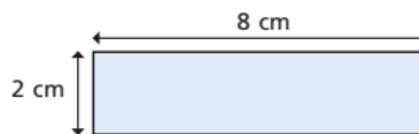
The perimeter is
20 cm.

Who is correct? Eva

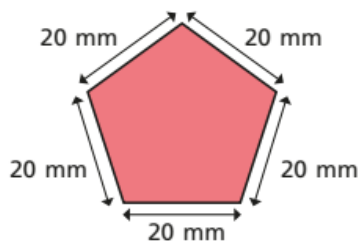
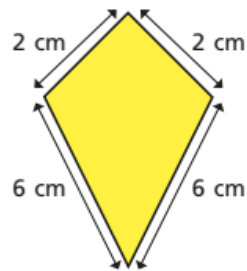
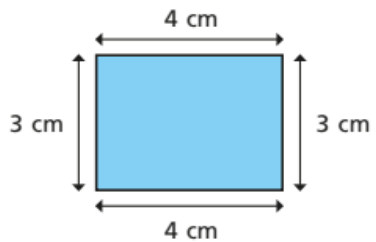
How do you know?

Rosie hasn't included the other two
sides.

3 Tick the shapes with a perimeter of 16 cm.



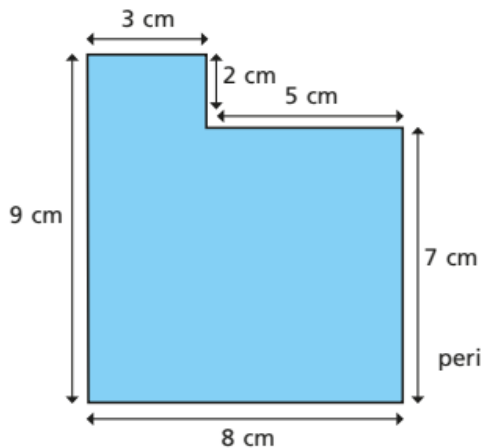
4 Which shape has the longest perimeter? Tick your answer.



Show all your workings.

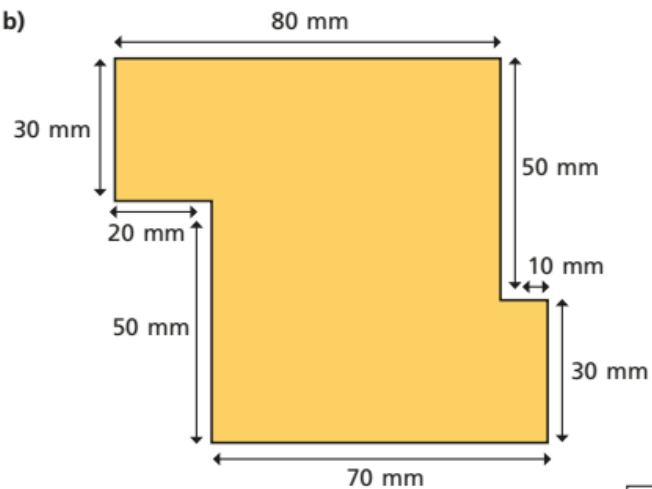
5 Work out the perimeter of these shapes.

a)



perimeter =

b)



perimeter =

What do you notice?

6

This rectangle has a perimeter of 18 cm.

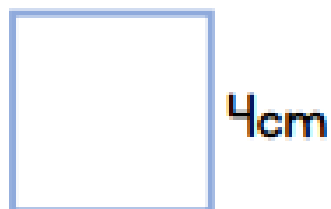
Work out the length of side a .



perimeter = 18 cm

side a =

True



The perimeter of a square can be calculated:

$$4\text{cm} + 4\text{cm} + 4\text{cm} + 4\text{cm} = 16\text{cm}$$

$$4\text{cm} \times 4 = 16\text{cm}$$

$$8\text{cm} \times 2 = 16\text{cm}$$