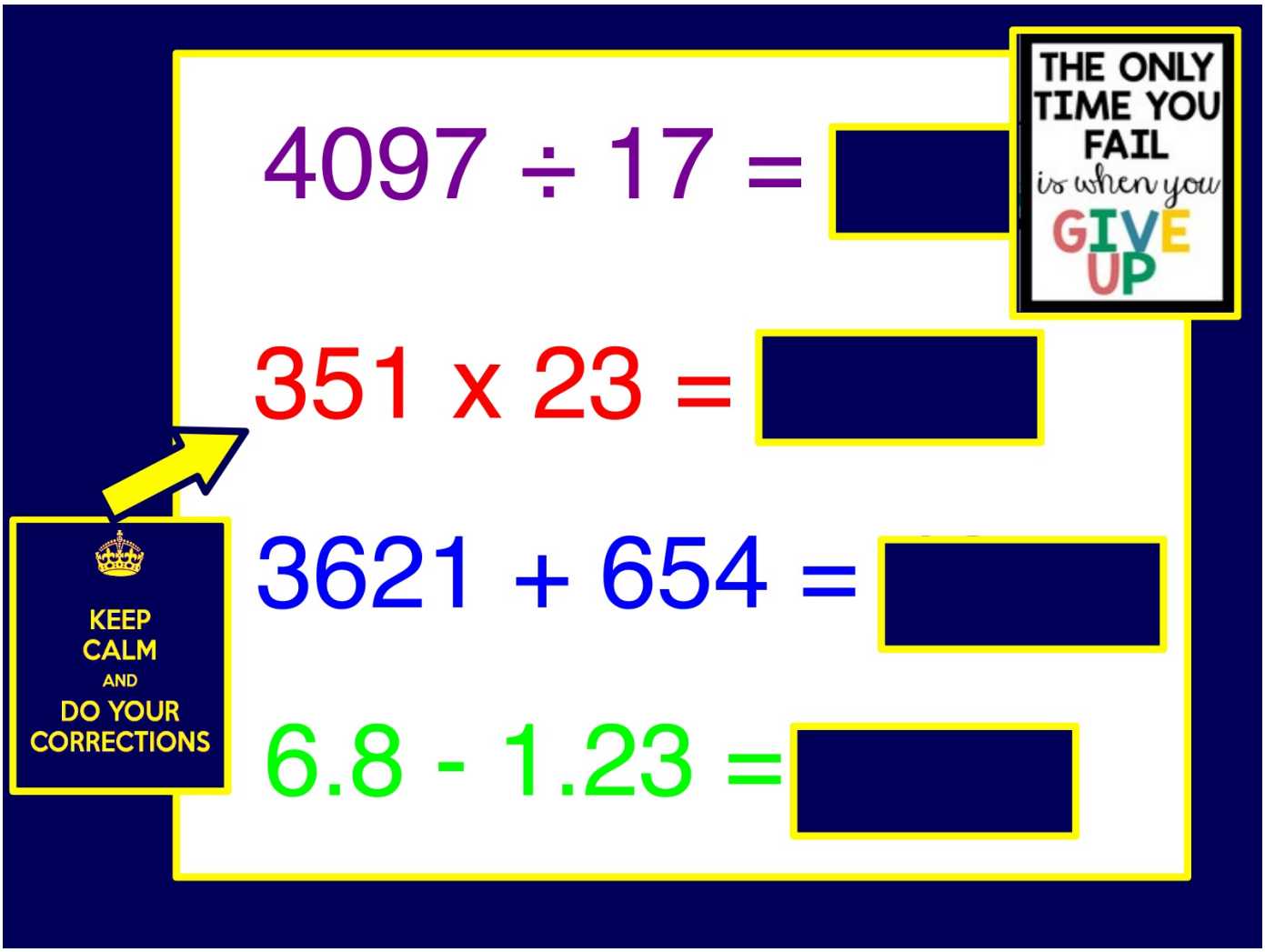
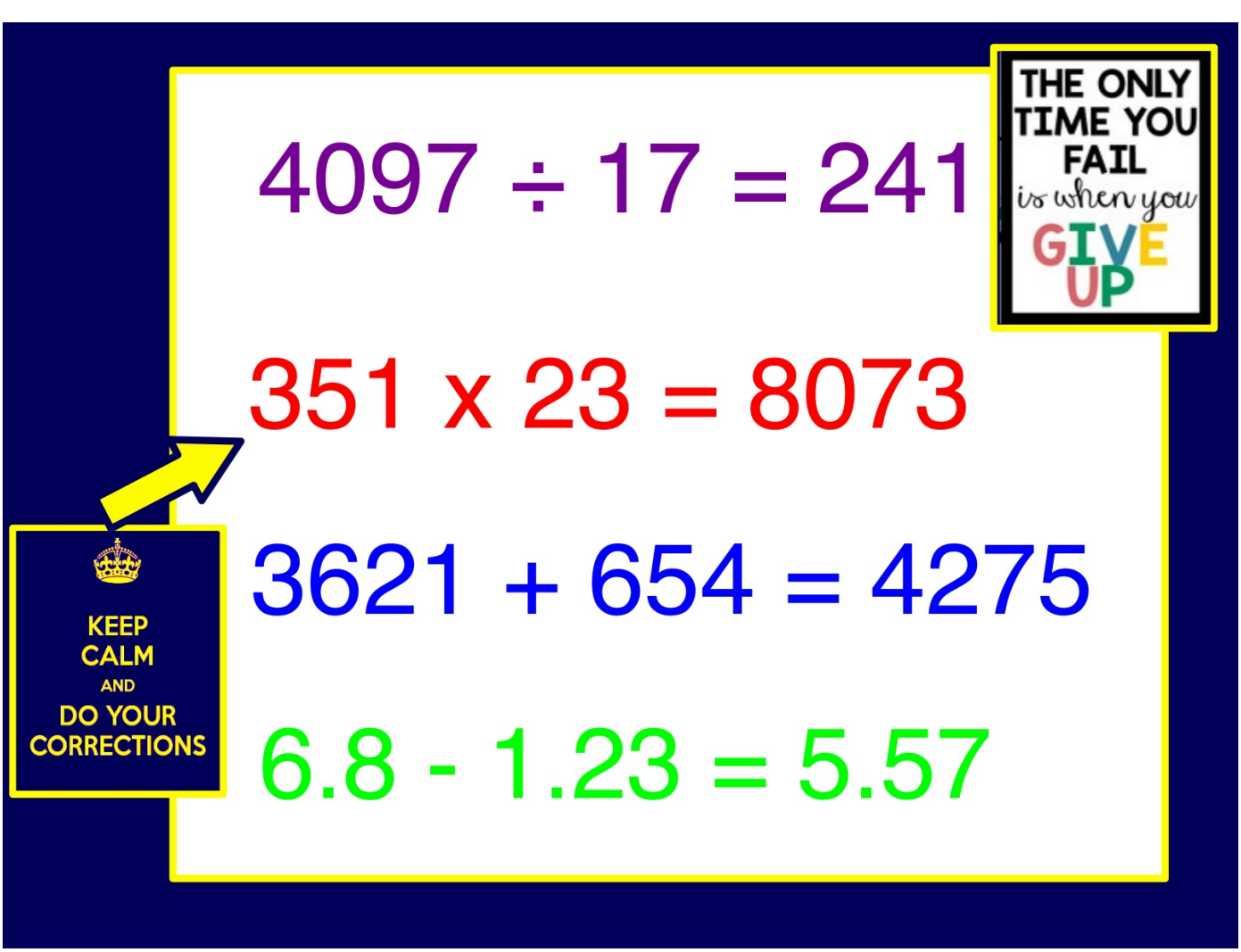
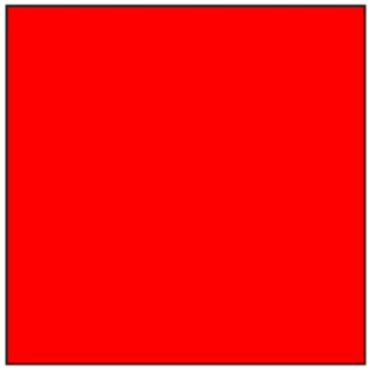

4097 ÷ 17 =
THE ONLY TIME YOU FAIL is when you GIVE UP
351 x 23 =
3621 + 654 =
6.8 - 1.23 =
KEEP CALM AND DO YOUR CORRECTIONS

$4097 \div 17 = 241$



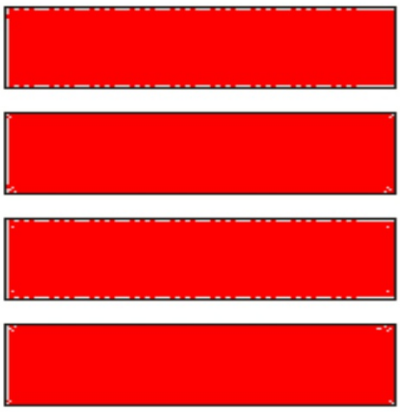
GIVE IT a go!

The area of this square is 36 cm^2.



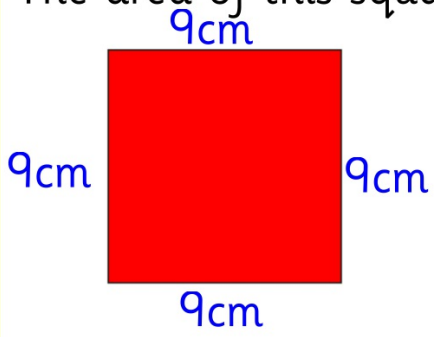
Not actual size

The square is cut into quarters to create 4 identical rectangles.

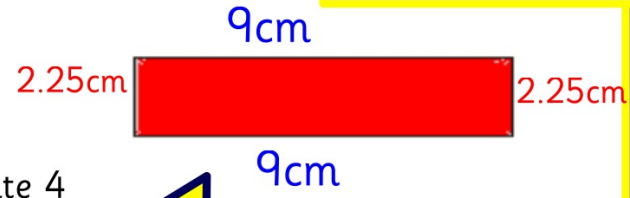


What is the perimeter of one of the small rectangles?

The area of this square is 36 cm^2.



Not actual size



The square is cut into quarters to create 4 identical rectangles.
What is the perimeter of one of the small rectangles?

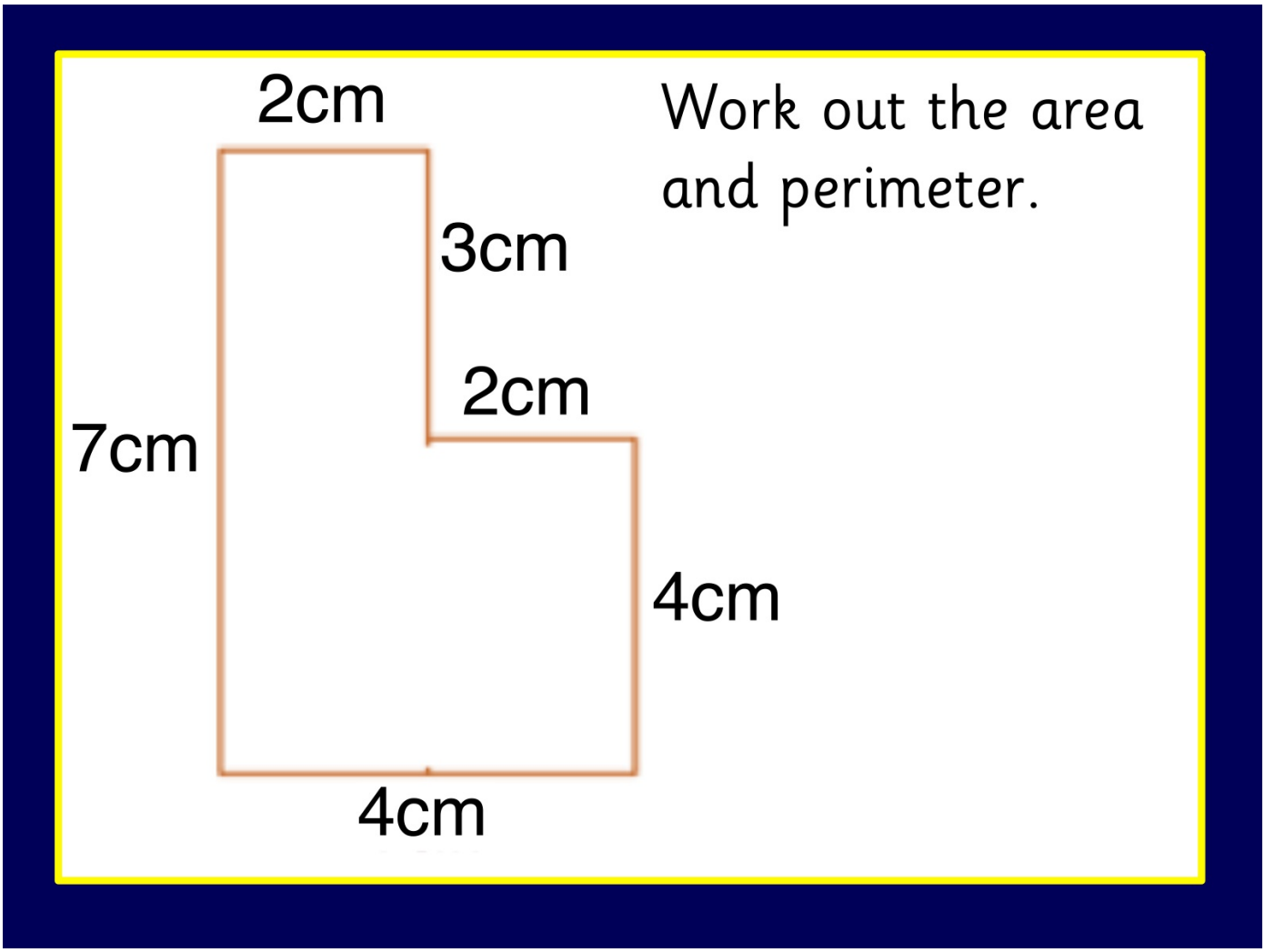
Remember a square has 4 equal sides
36 ÷ 4 = 9cm

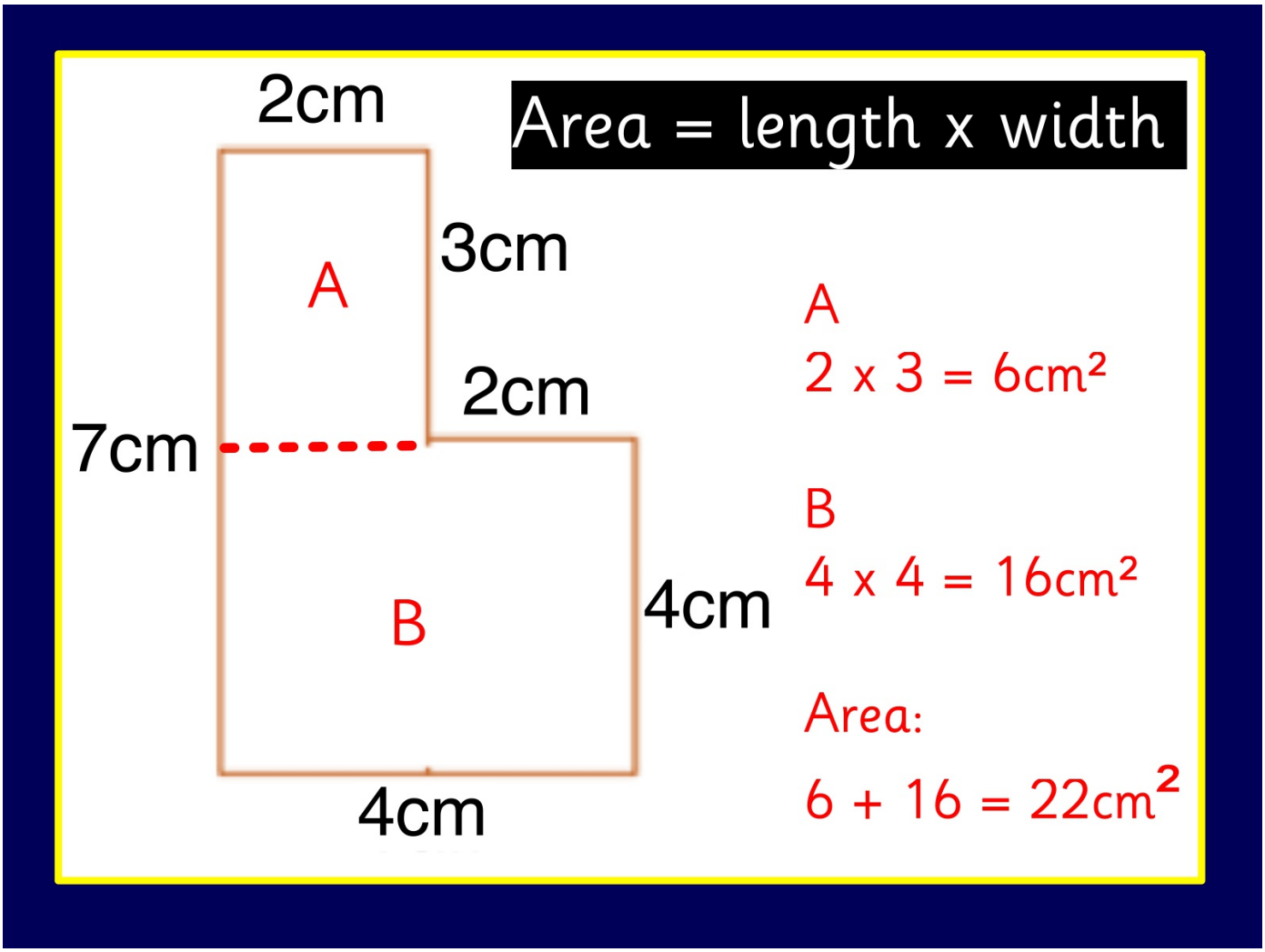
The square was cut into 4 rectangles
9 ÷ 4 = 2.25cm

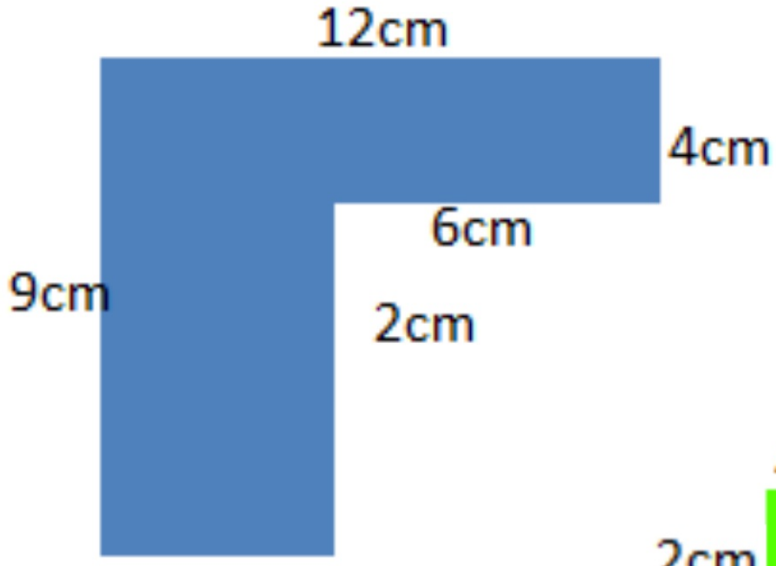
Perimeter:

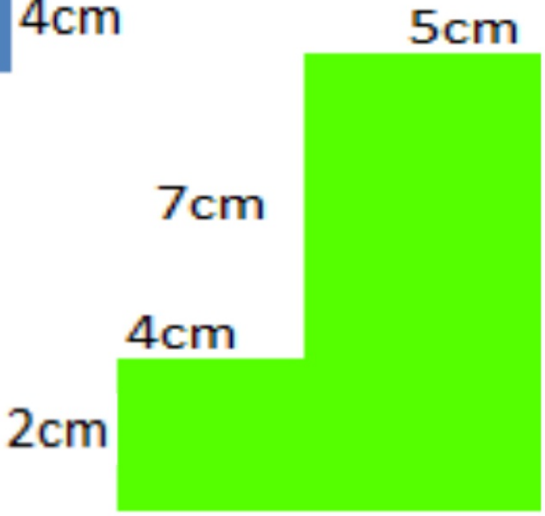
9 + 9 + 2.25 + 2.25 = 22.5cm

Area and perimeter 3


2cm
3cm
2cm
7cm
4cm
4cm
Work out the area and perimeter.


2cm
Area = length x width
3cm
A
2cm
7cm
B
4cm
4cm
A
2 x 3 = 6cm²
B
4 x 4 = 16cm²
Area:
6 + 16 = 22cm²



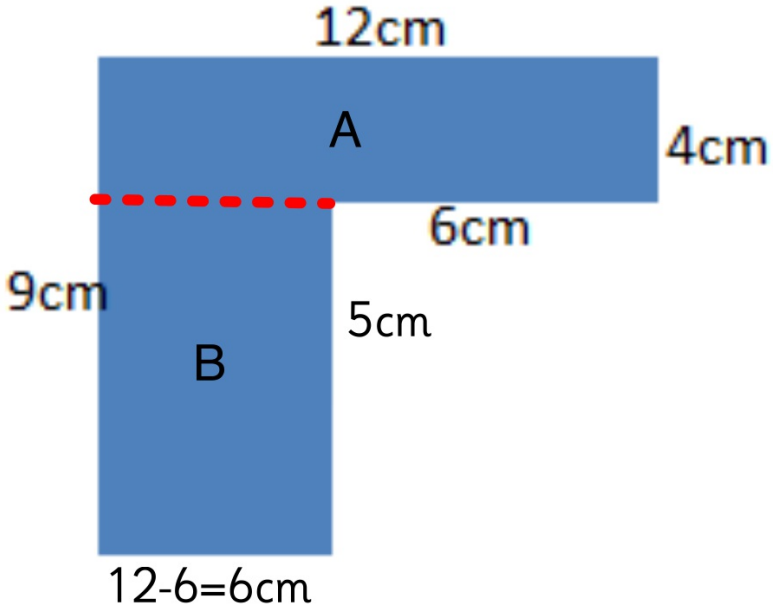


Which shape has the biggest:

1) area?

2) perimeter?

Area = length x width



A

$12 \times 4 = 48cm^2$

B

$6 \times 5 = 30cm^2$

Area:

$48 + 30 = 78cm^2$

Perimeter:

$6 + 4 + 12 + 5 + 6 + 9 = 42cm$

A

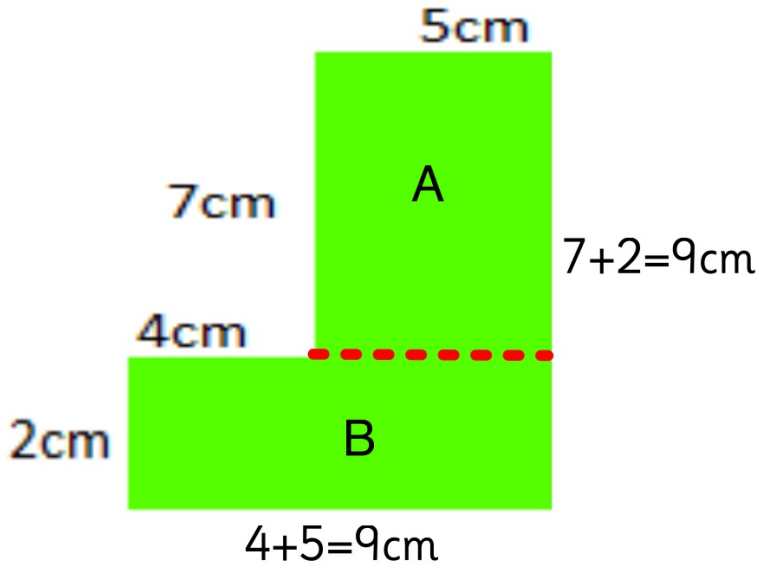
5 x 7 = 35cm²

B

9 x 2 = 18cm²

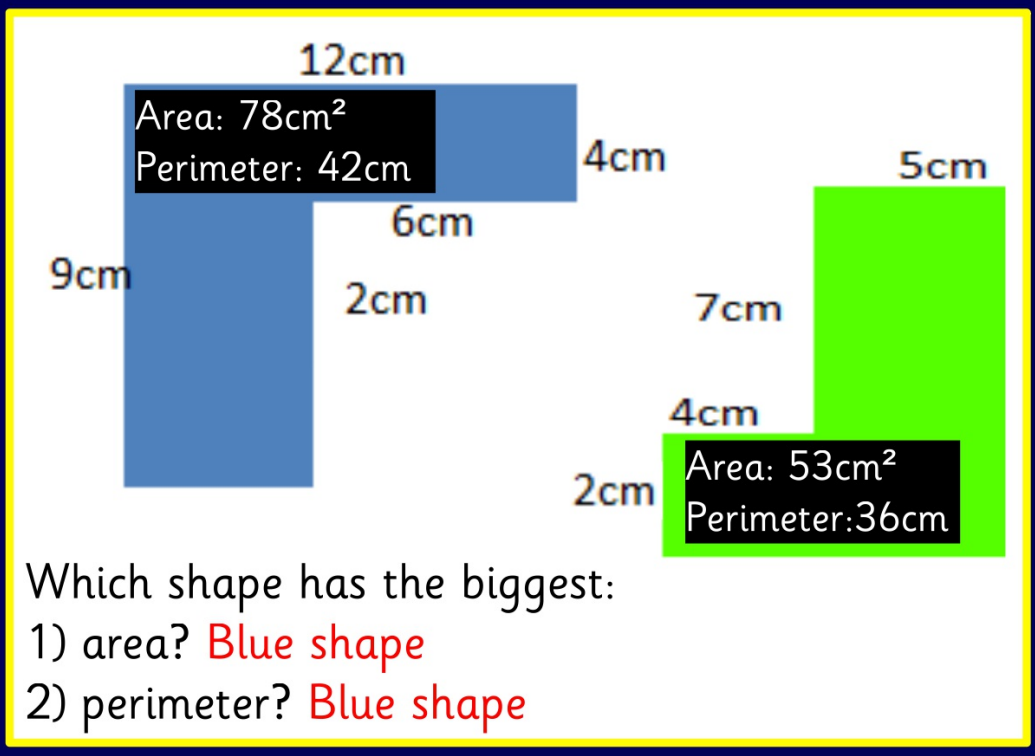
Area:

35 + 18 = 53cm²



Perimeter:

9 + 9 + 2 + 4 + 7 + 5 = 36cm



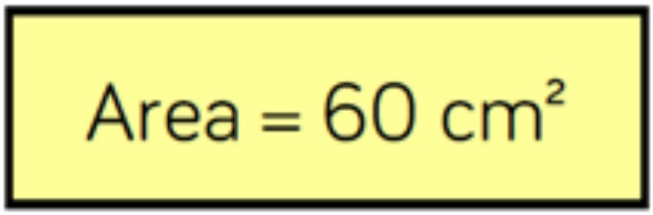
Which shape has the biggest:

1) area? Blue shape

2) perimeter? Blue shape

What is the missing width?

15cm



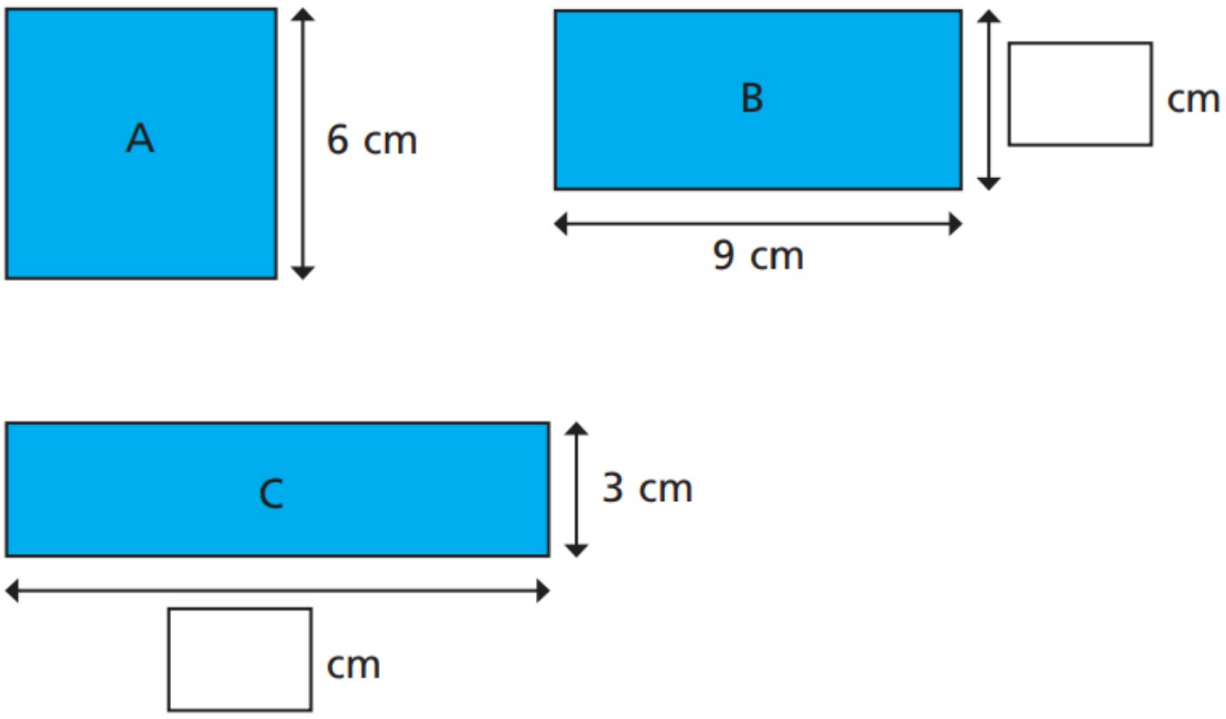
? cm

Area = length x width

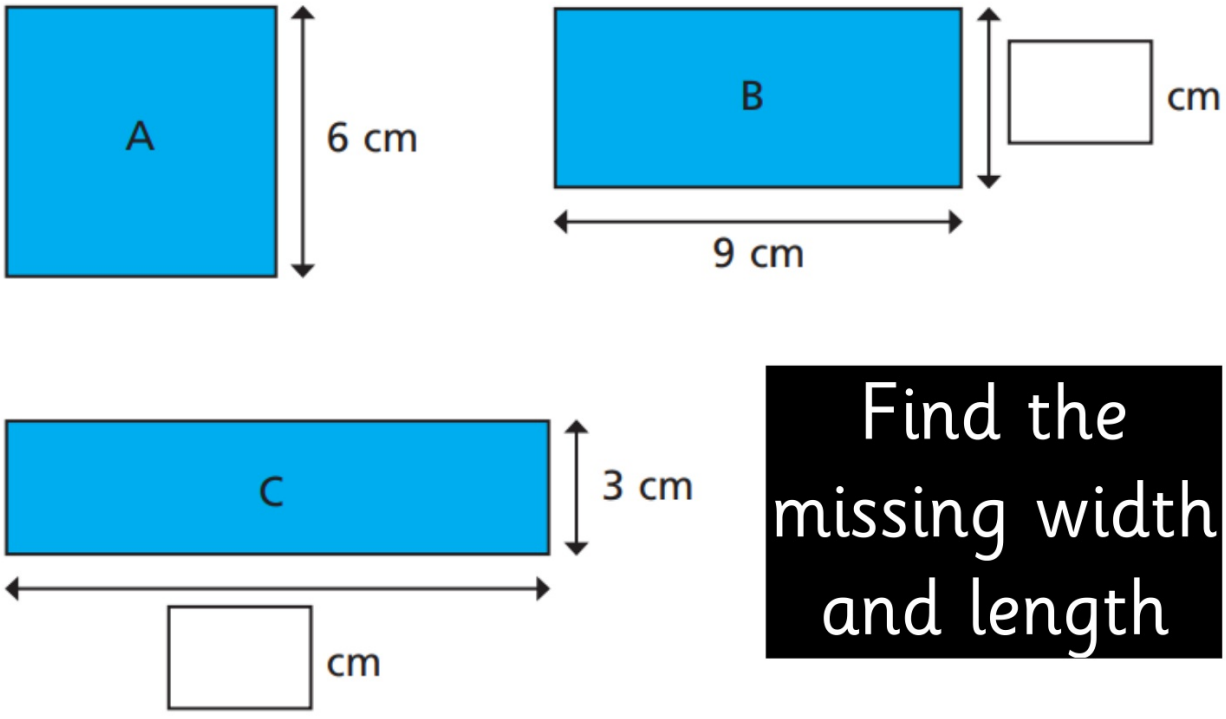
Width = Area ÷ length

= 60 ÷ 15 = 4cm

These shapes all have the same area. Shape A is a square.



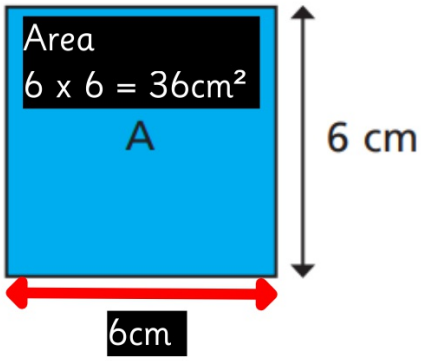
These shapes all have the same area. Shape A is a square.



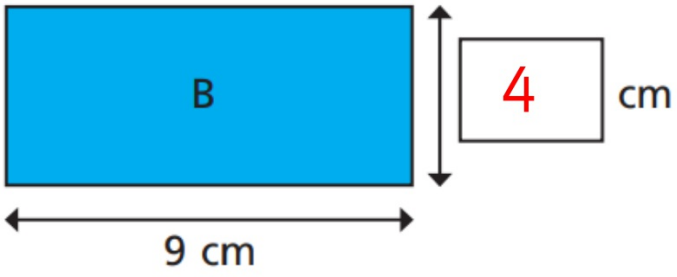
Find the missing width and length

These shapes all have the same area. Shape A is a square.

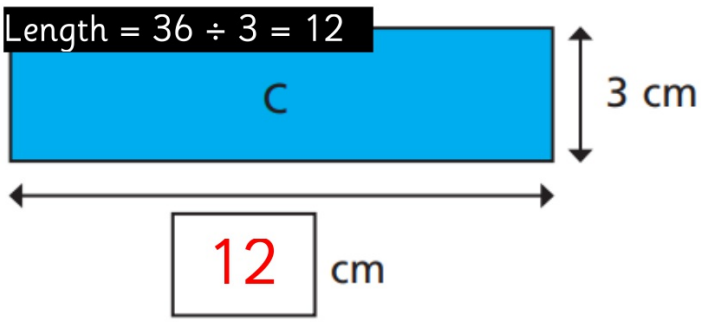
Squares have 4 equal sides.



Width = 36 ÷ 9 = 4cm



Length = 36 ÷ 3 = 12

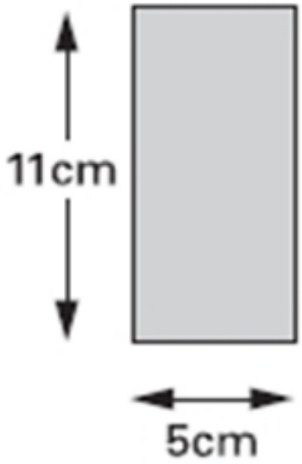


Area = length x width

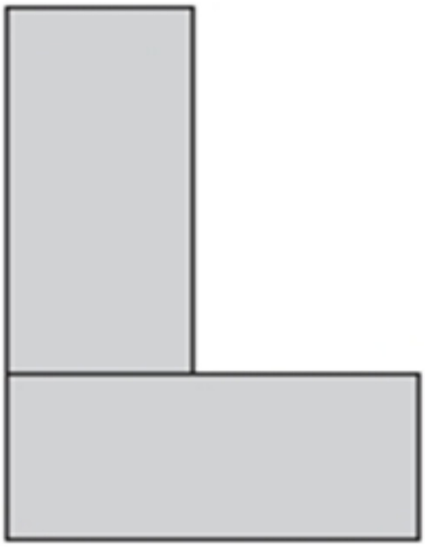
Width = Area ÷ length

Length = Area ÷ width

Liam has two rectangular tiles like this.

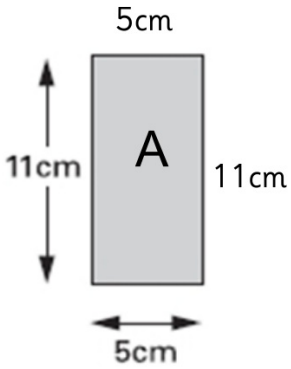


He makes this L shape.

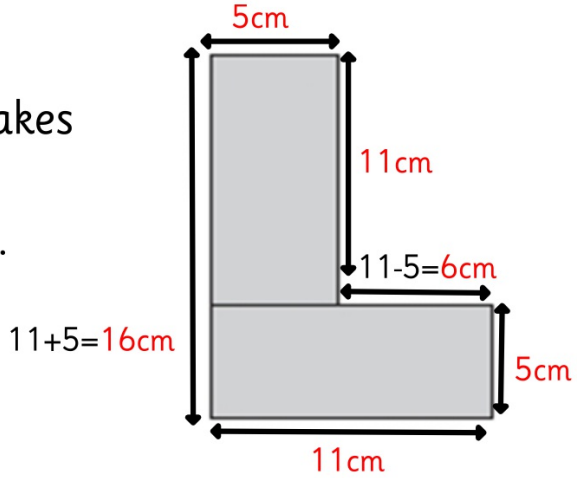


What is the area and perimeter of Liam's L shape?

Liam has two rectangular tiles like this.



He makes this L shape.



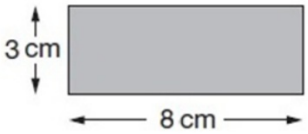
What is the area and perimeter of Liam's L shape?

Area of A: 5 x 11 = 55cm²

Area of L shape: 55 x 2 = 110cm²

Perimeter: 5 + 5 + 11 + 11 + 6 + 16 = 54cm

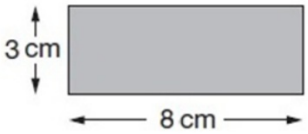
Adam has some rectangles.



He makes this shape using three of the rectangles.

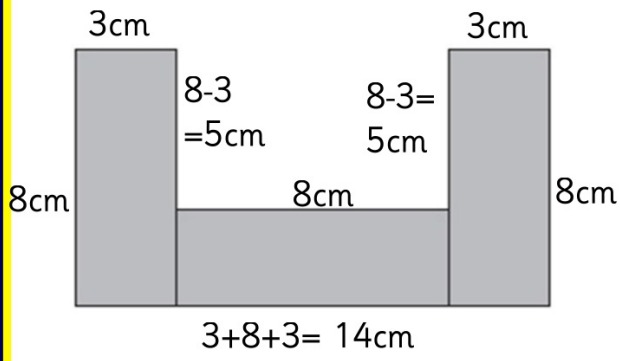
What is the area and perimeter of Adam's new shape?

Adam has some rectangles.



He makes this shape using three of the rectangles.

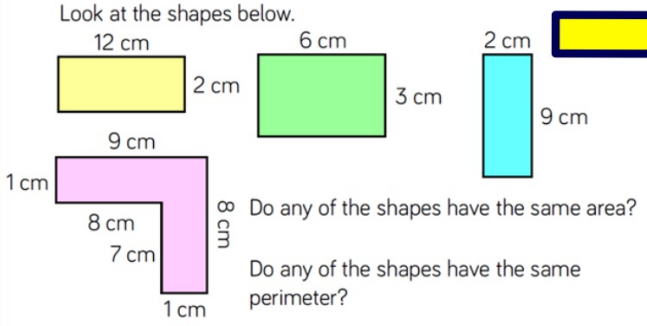
What is the area and perimeter of Adam's new shape?



Area:
1 rectangle: 3 x 8 = 24cm²
3 rectangles: 24 x 3 =72cm²

Perimeter:
5 + 5 + 14 + 3 + 3 + 8 + 8 + 8 = 54cm

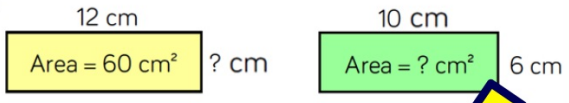
Look at the shapes below.



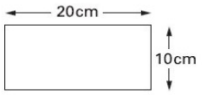
Do any of the shapes have the same area?

Do any of the shapes have the same perimeter?

Work out the missing values.

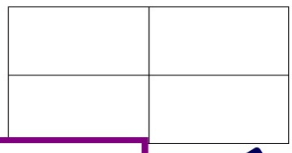


Becca has rectangular tiles like this.



Not to scale

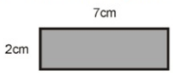
She makes a larger rectangle using 4 of the tiles.



What is the **area** of the larger rectangle?

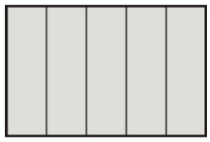
Lara has some identical rectangles.

They are 7 centimetres long and 2 centimetres wide.



Not actual size

She uses **five** of her rectangles to make the large rectangle below.



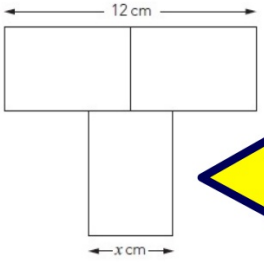
What is the **perimeter** of the large rectangle?

What is the **area** of the large rectangle?

Working Deeper

Here is a T-shape made from 3 identical rectangles.

The area of the T-shape is **90 cm²**



Work out the value of x