



White

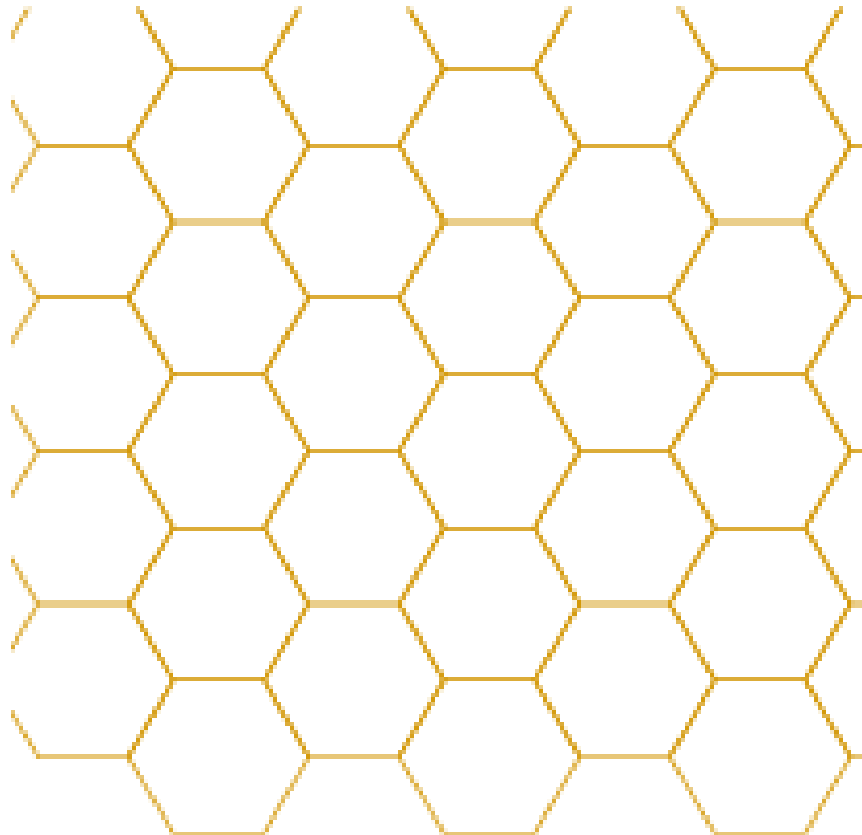
**Rose
Maths**

Year 5 - Autumn - Block 5

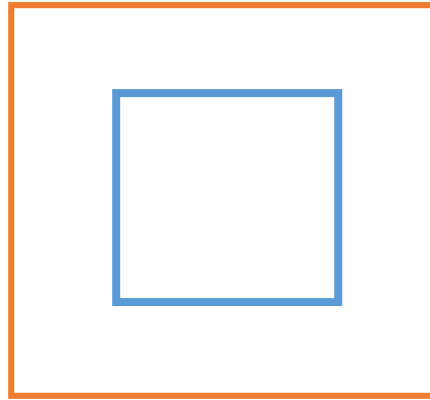
Perimeter & Area

Each regular hexagon has a side length of 2 cm

Can you construct a shape with a perimeter of 44 cm?



Here is a square inside another square.



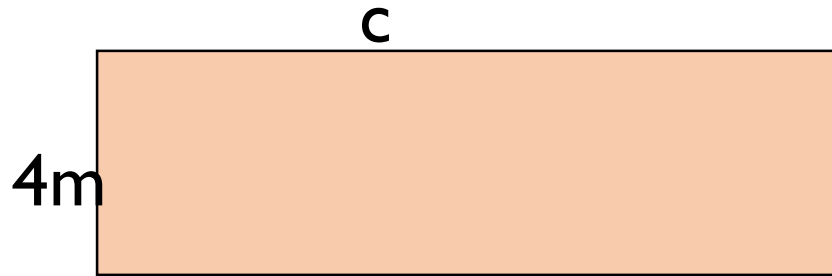
The perimeter of the inner square is 16 cm

The outer square's perimeter is four times the size of the inner square.

What is the length of one side of the outer square?

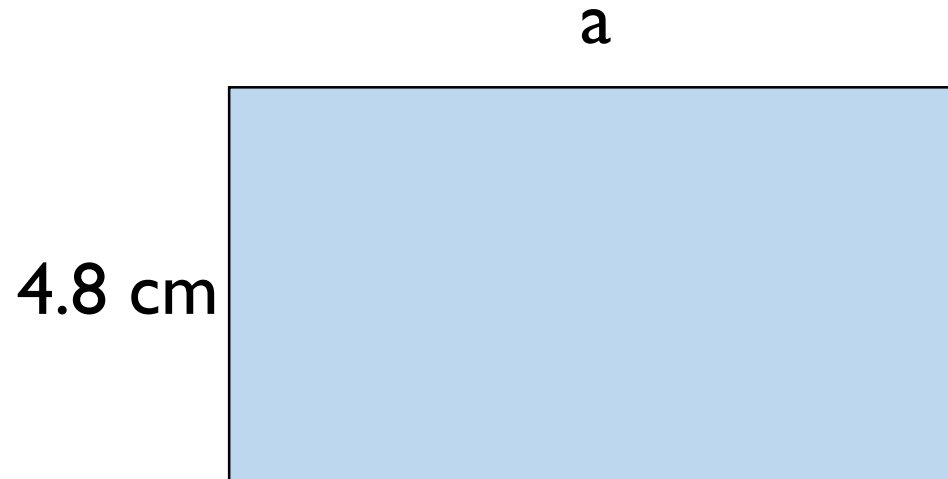
How do you know? What do you notice?

The value of c is 14 m.



What is the total perimeter of the shape?

The blue rectangle has a perimeter of 38 cm.

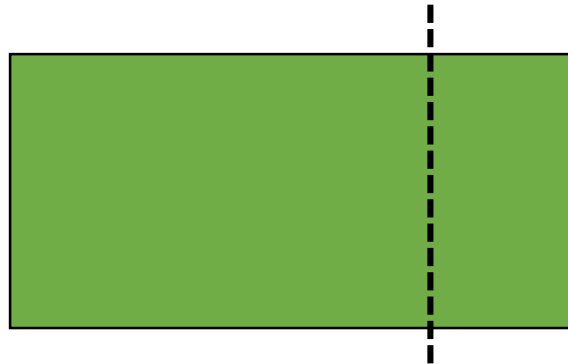


What is the value of a ?

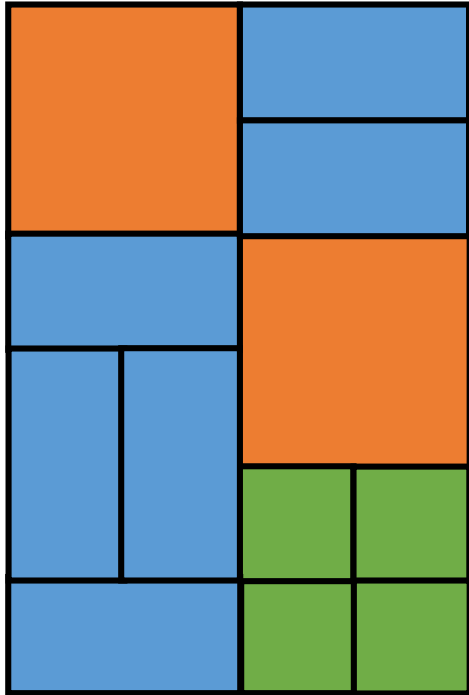
True or False?

If you cut off a piece from a shape, you reduce its area and perimeter.

Draw 2 examples to prove your thinking.



Each orange square has an area of 24 cm^2 .



Calculate the total orange area.

Calculate the blue area.

Calculate the green area.

What is the total area of the whole shape?

If each square represents 3 m^2 , what is the approximate area of:

- The lake
- The bunkers
- The fairway
- The rough
- Tree/forest area



Can you construct a 'Pirate Island' to be used as part of a treasure map for a new game? Each square represents 4 m^2 .

The island must include the following features and be of the given approximate measure:

- Circular Island 180 m^2
- Oval Lake 58 m^2
- Forests with a total area of 63 m^2 (can be split over more than one space)
- Beaches with a total area of 92 m^2 (can be split over more than one space)
- Mountains with a total area of 57 m^2
- Rocky coastline with total area of 25 m^2

