

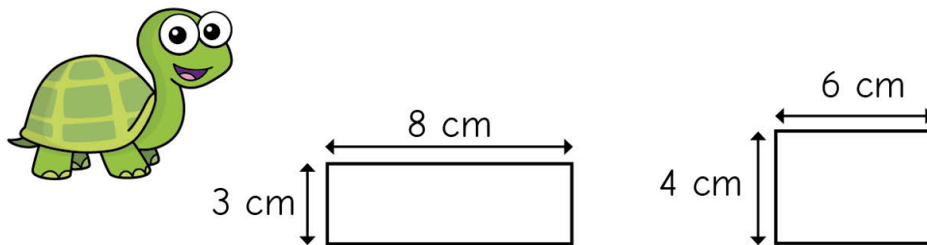
Maths Homework - Area and Perimeter

There are 5 questions below. As you scroll down, the questions get progressively harder.

Please complete at least 2 questions.

You can complete all questions if you wish!

Tiny thinks that these are the only rectangles that you can draw with an area of 24 cm^2



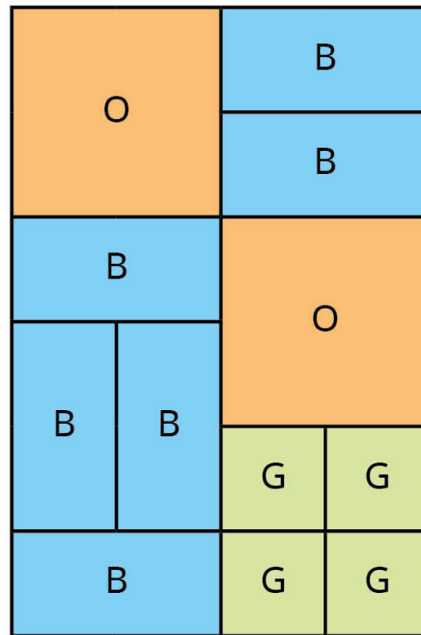
Do you agree with Tiny?
Explain your answer.

Is the statement always true, sometimes true or never true?

A rectangle's area is always greater than its perimeter.

Give examples to support your answer.

Each orange square (O) has an area of 24 cm^2



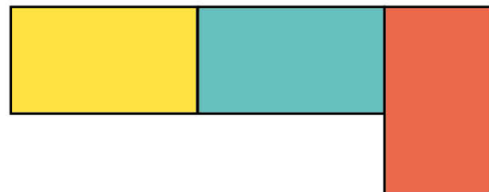
Calculate the total orange area.

Calculate the blue (B) area.

Calculate the green (G) area.

What is the total area of the whole shape?

Tiny puts three 7 cm by 4 cm rectangles next to each other.



What is the area of the compound shape?

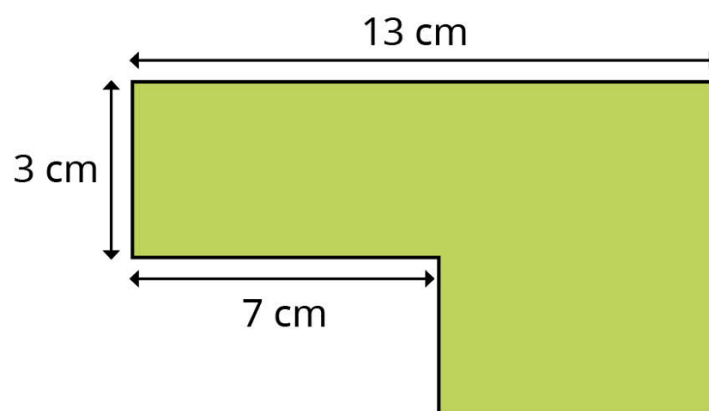


It does not matter which way round I put the rectangles. The shape will still have the same area.

Do you agree with Tiny?

Explain your reasoning.

The area of the shape is 69 cm^2



Work out the perimeter of the shape.