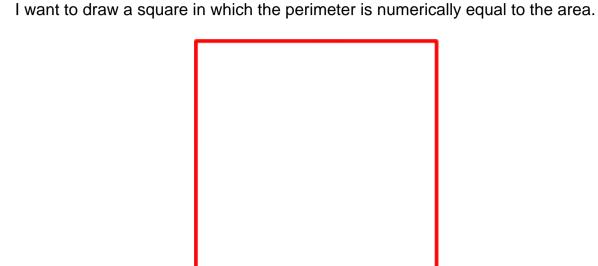
Week 4 Session 1 Reasoning Activities

Activity 1



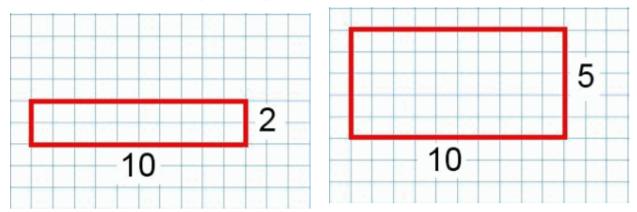
Of course, the perimeter will be measured in units of length, for example, centimetres (cm), while the area will be measured in square units, for example, centimetres squared.

What size square will I need to draw?

Have a look at for the solution https://nrich.maths.org/1045/solution

Activity 2

Charlie has been drawing rectangles:



The first rectangle has a perimeter of 30 units and an area of 50 square units.

The second rectangle has a perimeter of 24 units and an area of 20 square units.

Charlie wondered if he could find a rectangle, with one side of length 10 units, whose perimeter and area have the same numerical value.

Can you find a rectangle that satisfies this condition?

Alison says "There must be lots of rectangles whose perimeter and area have the same numerical value."

Can you find more examples of such rectangles?