Perimeter
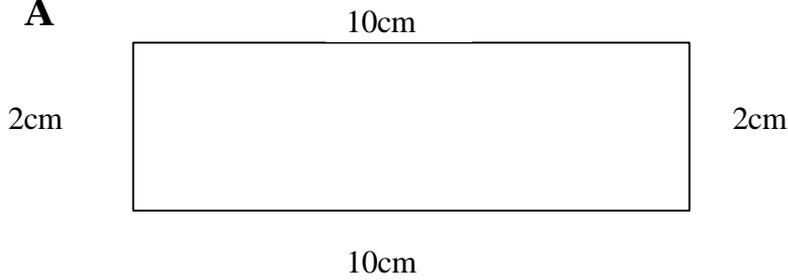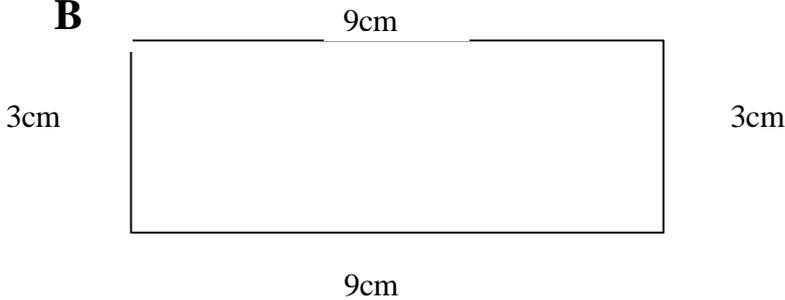
A

10cm

2cm ___ 2cm

10cm

B

9cm

3cm ___ 3cm

9cm

The rectangle on the left has a perimeter of 24cm.

Can you find other rectangles that have a perimeter of 24cm.

Try to work to a system. You could make the length 1cm. shorter and the width 1cm longer. So your next rectangle would like rectangle B.

Can you continue to adjust the sides without repeating the dimensions?

Where do you have to stop?

Can you make any irregular hexagons that also have a perimeter of 24cm?

Can you devise a system to do this?
(Try adjusting the length and widths of the sides.)