Here are the dimensions of two rectangles with an area of 24cm^2.
They have different perimeters.

How many other possible perimeters can you find, for a rectangle with an area of 24cm^2?

Rectangle	Perimeter
4cm × 6cm	20cm
2cm × 12cm	28cm
…	…

If the side lengths are fractions it is possible to have an odd perimeter.
What other odd perimeters can you make?

Rectangle	Perimeter
1 ½ cm × 16cm	35cm
…	…

Here are some questions to consider:

- What is the smallest perimeter you can make if the area is 24cm^2?
- What about the largest?
- Which perimeters in between is it possible to make?

And more generally:

- Is it possible to make a rectangle with a fractional perimeter but a whole number area?
- Is it possible to make a rectangle with a whole number perimeter but a fractional area?