

• **Objective:** Recognise that shapes with the same areas can have different perimeters and vice versa

Year 6 Task:

This task is taken from the NRich website. To view the task, follow the link:

<u>https://nrich.maths.org/1045?utm_source=primary-map</u> Included on the website are tips on how to get started and worked solutions. Enjoy!

Numerical	iy Equal
lge 7 to 11 ★	
want to draw a squar	e in which the perimeter is numerically equal to the area.
	er will be measured in units of length, for example, the area will be measured in square units, for example, n^2).
What size square will I	need to draw?
	rectangle that is twice as long as it is wide which still has y equal to its area?

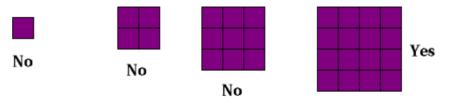


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Examples of solutions and strategies from the NRich website:

The solutions that arrived on our desk for Numerically Equal all had the same answer, but slightly different ways of finding it. **Jack** of Tattingstone Primary School sketched the stages of his thinking.



Chris used addition to help him with the perimeter calculation:

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4cm + 4cm + 4cm + 4cm = 16cm
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