Is there a square whose area has the same numerical value as its perimeter?

How can you approach this problem systematically?

What rectangle also fits this condition?

Is there more than one rectangle?

Is there some kind of rule / limit at work here?

How can you approach this problem algebraically?

What about other shapes:

* regular and irregular
* 2D and 3D

###### See ‘KS3 Top-up Bring on the Maths’ (Area 1) for a supporting activity