

Area and Perimeter open ended activity ideas

Show all working out in your Maths book.

Is the perimeter of my Maths book longer or shorter than the perimeter of my Literacy book?
How about the area?

Nic wants to throw a party but he needs a table with the perimeter of 240m so he could fit his food on. What are the possible ways?

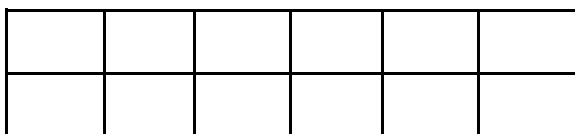
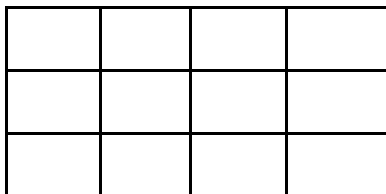
A garden is being made. It is 80 cm^2 and it is rectangle. Find different ways to get an answer to it.

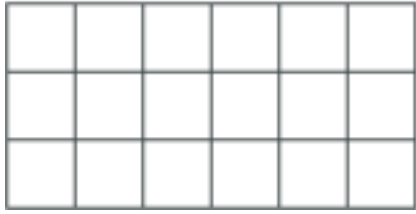
I finally brought lots of land to play on. But I forgot to measure all of the perimeter and area, can you help me find the land. It had an area of 100 cm^2
Draw and write the possible perimeters?

Which shape below has the largest perimeter?

Please explain your thinking.

Design a new shape with 12 squares which has the longest possible perimeter.





What is the area of each one? What is the perimeter of each one?

Can you draw a shape in which the area is numerically equal to its perimeter?

And another?

Can you draw a shape in which the perimeter is numerically twice the area?

Can you draw a shape in which the area is numerically twice the perimeter?

Can you make the area of your shape go up but the perimeter go down?

Can you make the perimeter of your shape go up but the area go down?

Can you draw some shapes that have the same area but different perimeters?

Can you draw some shapes that have the same perimeter but different areas?