

Name

Date



AREA & PERIMETER OF RECTANGLES CHALLENGE 1

Do two rectangles with the same area have the same perimeter?

Draw 2 **different** rectangles that have an area of 8 cm^2 . Calculate the perimeter of each. What do you notice?

Draw 3 **different** rectangles with an area of 12 cm^2 . Calculate the perimeter of each.

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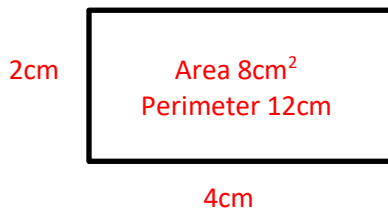


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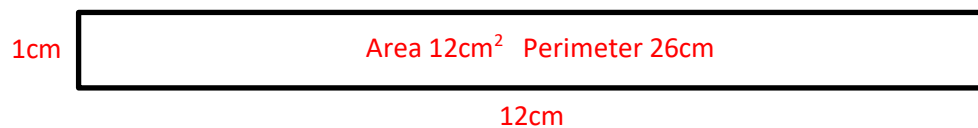
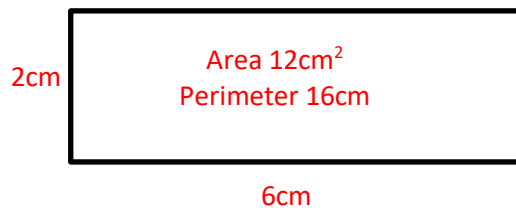
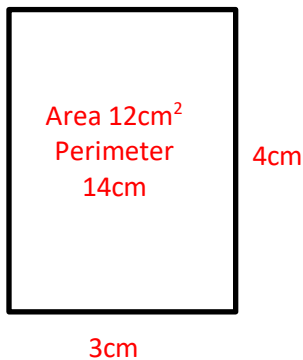
ANSWERS

Do two rectangles with the same area have the same perimeter?

Draw 2 **different** rectangles that have an area of 8 cm^2 . Calculate the perimeter of each. What do you notice?



Draw 3 **different** rectangles with an area of 12 cm^2 . Calculate the perimeter of each.



If the area is the same then the perimeter will decrease as the length of the adjacent sides becomes closer and the shape becomes more 'square-like'.