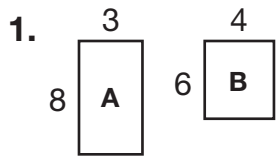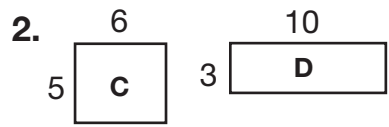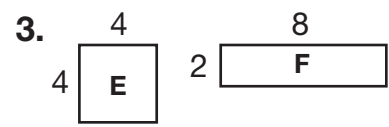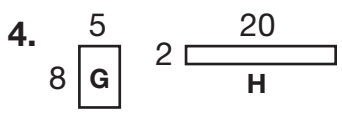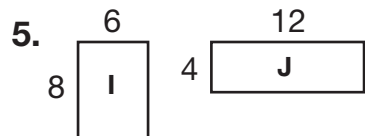# Same Area, Different Perimeter

For **1** through **9,** write "yes" if the 2 rectangles have the same area and "no" if they do not. If they have the same area, tell which one has the smaller perimeter.
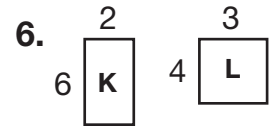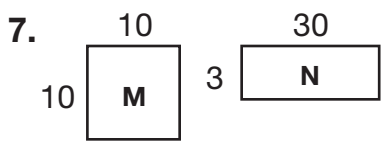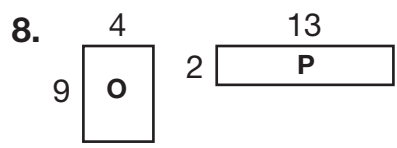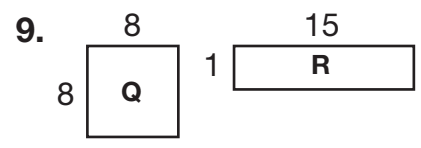
1.   3   4
8 | A   6 | B

_____

2.   6   10
5 | C   3 | D

_____

3.   4   8
4 | E   2 | F

_____

4.   5   20
8 | G   2 | H

_____

5.   6   12
8 | I   4 | J

_____

6.   2   3
6 | K   4 | L

_____

7.   10   30
10 | M   3 | N

_____

8.   4   13
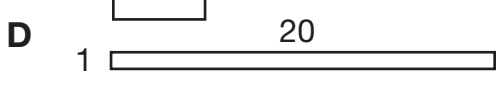9 | O   2 | P

_____

9.   8   15
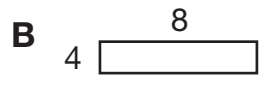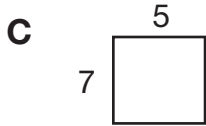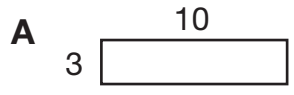8 | Q   1 | R

_____

10. Two rectangles have an area of 36 square inches.
Name two possible perimeters for the rectangles. _____

11. The length of a rectangle is 6 inches and the width is
5 inches. Which rectangle has the same area?

A   10
3 | [ ]

C   5
7 | [ ]

B   8
4 | [ ]

D   20
1 | [ ]

12. Writing to Explain The area of a rectangle is 100 square inches. The perimeter of the rectangle is 40 inches. A second rectangle has the same area but a different perimeter. Is the second rectangle a square? Explain why or why not.

_____

_____