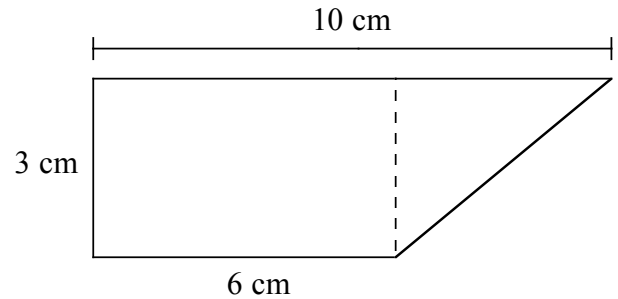


Area & Perimeter Challenge
September 19, 2008

Name _____

The figure below is a rectangle with a right triangle attached to the end.

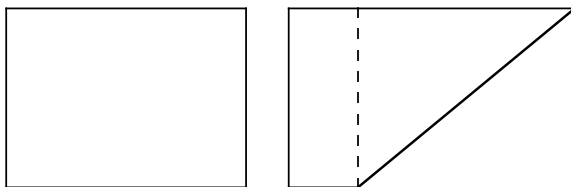
- a. Calculate the area of the figure.



- b. Calculate the perimeter of the figure.

- c. If you wanted to draw a vertical line (straight up and down) to divide the area of the figure in half, calculate where should the line be drawn.

- d. If you got scissors and cut the figure along the line you found in question *c* what would the perimeter of each of the two pieces be?



- e. Hopefully you found that the perimeter of the two pieces would be different. If you wanted to start with a new figure and this time cut along a vertical line (straight up and down) to make two pieces that had equal perimeters, where should your cut be?

