

# Raging Rectangles

**Building Fluency:** products of whole numbers and their relationship to rectangular arrays; relate area to operations of multiplication

**Materials:** gameboard, pair of dice, 1 crayon - different color per player

**Number of Players:** 2

**Directions:**

1. Each player takes a turn rolling the dice to get two factors.
2. The player outlines and colors a rectangle on the gameboard to match the pair of factors. Example: a roll of 6 and 3 is colored as a  $6 \times 3$  rectangle or a  $3 \times 6$  rectangle.
3. The player writes the equation (area) inside the rectangle.
4. A player loses a turn when the rectangle cannot be drawn on the gameboard.
5. The winner is the player with the most area colored.

**Variation/Extension:** Students can add the two numbers on the dice for the first factor and then use 2, 5 or 10 as the second factor.

