## Lesson 11: Rectangles with the Same Perimeter

* Let’s explore rectangles with the same perimeter.

### Warm-up: Number Talk: Multiply to Divide

Find the value of each expression mentally.

* $5×5$
* $10×5$
* $2×5$
* $85÷5$

### 11.1: Perimeter of 16 Units

1. Draw as many different rectangles with a perimeter of 16 units as you can.
2. Calculate the area of each rectangle you draw. Explain or show your reasoning.
* 

### 11.2: Same Perimeter, Different Area

Your teacher will give you some dot paper for drawing rectangles.

1. For each of the following perimeters, draw 2 rectangles with that perimeter but different areas.
	1. 12 units
	2. 20 units
	3. 26 units
	4. 34 units
	5. Choose your own perimeter.
2. Cut out 1 or 2 rectangles you want to share and put them on the appropriate poster. Try to look for rectangles that are different from what other groups have already placed.
3. Gallery Walk: As you visit the posters with your partner, discuss something you notice and something you wonder.



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