Unit 7 Lesson 12: Rectangles with the Same Area

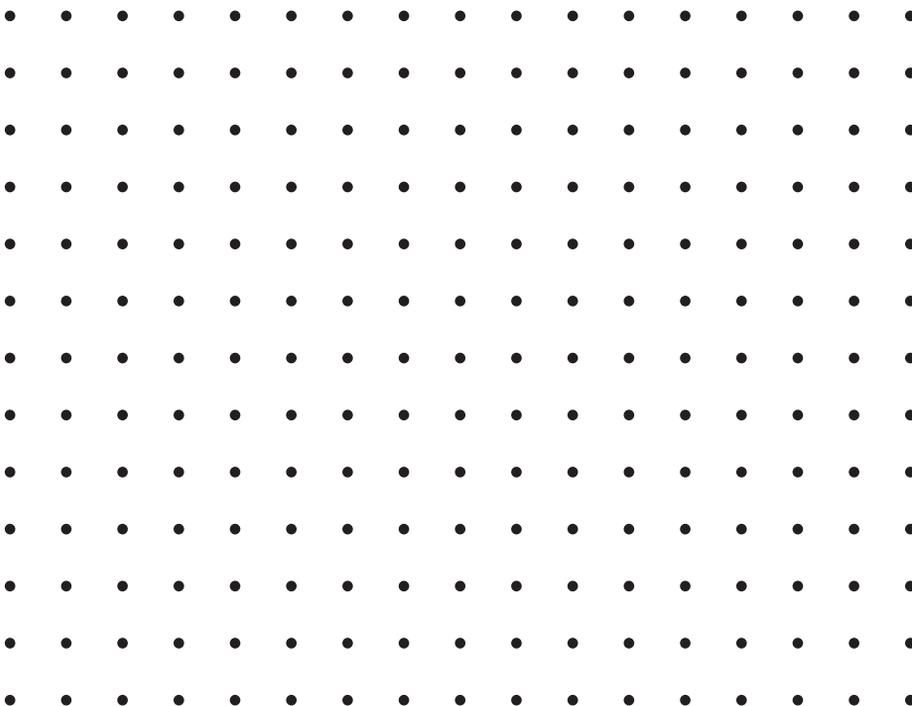## WU Number Talk: Divide in Parts (Warm up)

Student Task Statement

Find the value of each expression mentally.

- $40 \div 4$
- $60 \div 4$
- $80 \div 4$
- $96 \div 4$

1 Area of 24

Student Task Statement

1. Draw as many different rectangles as you can with an area of 24 square units.

2. Find the perimeter of each rectangle you draw. Explain or show your reasoning.

2 Same Area, Different Perimeter

Student Task Statement

Your teacher will give you some paper for drawing rectangles.

1. For each of the following areas, draw 2 rectangles with that area but different perimeters.

   a. 12 square units
   b. 20 square units
   c. 42 square units
   d. 48 square units
   e. Choose your own area.

2. Cut out the rectangles you want to share and place 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, discuss something you notice and something you wonder.