## Unit 7 Lesson 11: Rectangles with the Same Perimeter

### WU Number Talk: Multiply to Divide (Warm up)

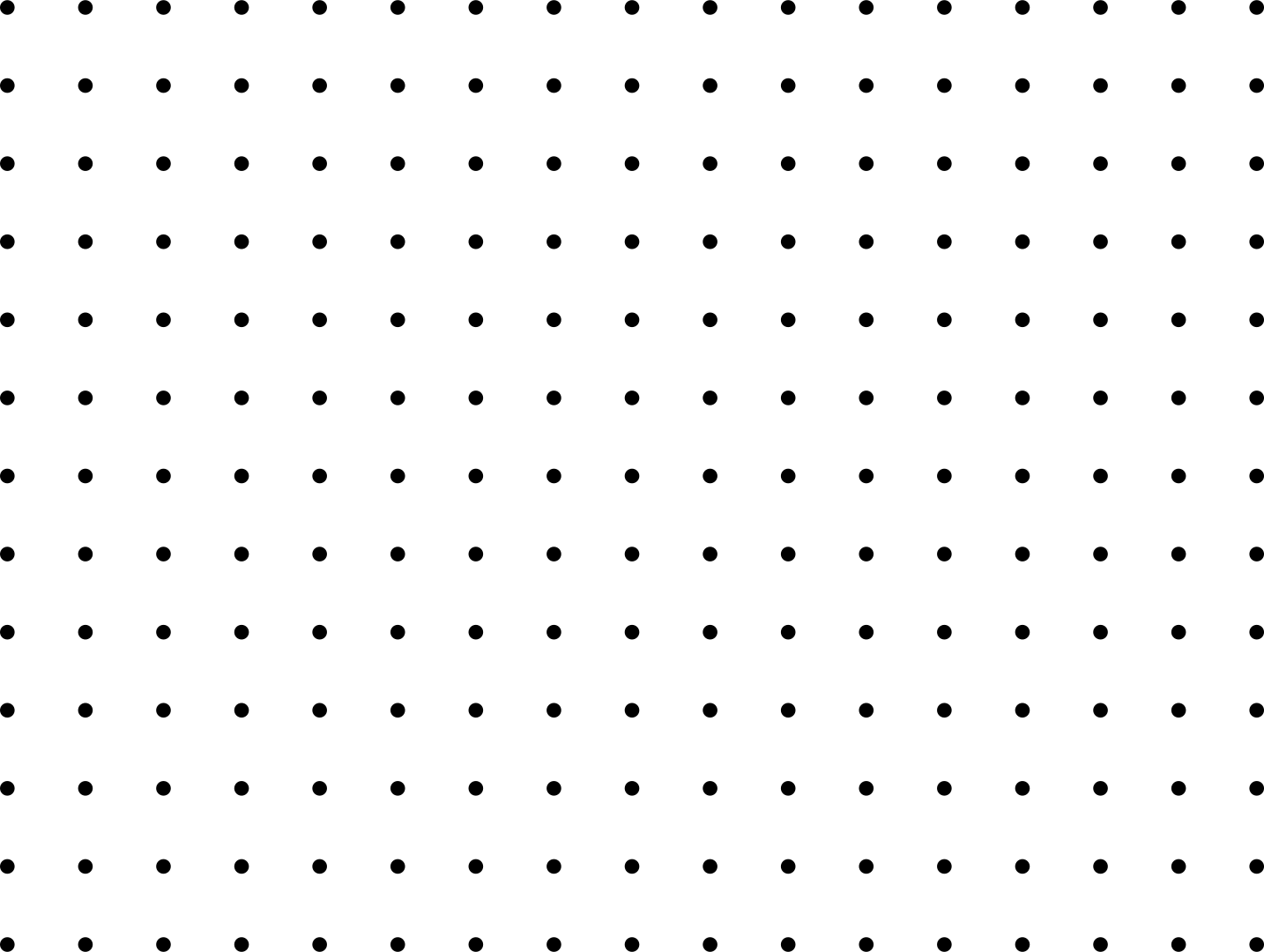
#### Student Task Statement

Find the value of each expression mentally.

### 1 Perimeter of 16 Units

#### Student Task Statement

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.

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### 2 Same Perimeter, Different Area

#### Student Task Statement

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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