

Name: _____

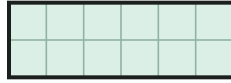
Each small square is 1 unit long on every side. For the perimeter (P), count the units around the outside. For the area (A), count the squares inside. In part C, the dots are 1 unit apart.

1.



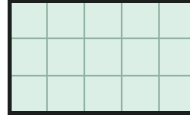
A = _____ square units

2.



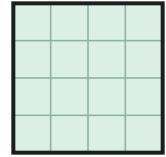
A = _____ square units

3.



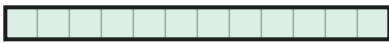
A = _____ square units

4.



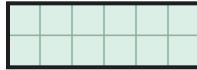
A = _____ square units

5.



A = square units

6.



A = square units

7.



A = square units

A 10x20 grid of dots. The dots are arranged in 10 rows and 20 columns, forming a rectangular pattern. The dots are small, dark gray circles. The grid is composed of 200 dots in total.

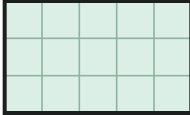
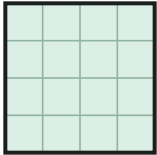
Area of my second rectangle: square units

Perimeter and Area on a Grid (Answer Key)

Grade 3 · Same perimeter with different areas, same area with different perimeters

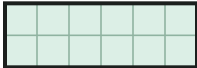
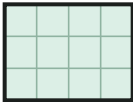
Each small square is 1 unit long on every side. For the perimeter (P), count the units around the outside. For the area (A), count the squares inside. In part C, the dots are 1 unit apart.

A. Write the perimeter (P) and the area (A) of each rectangle.

1.  P = <u>16</u> units A = <u>7</u> square units	2.  P = <u>16</u> units A = <u>12</u> square units	3.  P = <u>16</u> units A = <u>15</u> square units	4.  P = <u>16</u> units A = <u>16</u> square units
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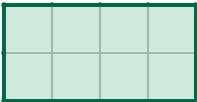
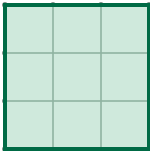
Which measurement is the same for all four rectangles? The perimeter: 16 units

B. Write the perimeter (P) and the area (A) of each rectangle.

5.  P = <u>26</u> units A = <u>12</u> square units	6.  P = <u>16</u> units A = <u>12</u> square units	7.  P = <u>14</u> units A = <u>12</u> square units
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Which measurement is the same for these three rectangles? The area: 12 square units

C. Draw two different rectangles that each have a perimeter of 12 units. Write the area of each.


 5 by 1: area 5
 
 4 by 2: area 8
 
 3 by 3: area 9

Any two of these 3 rectangles.

Area of my first rectangle: 5, 8 or 9 square units

Area of my second rectangle: 5, 8 or 9 square units