

Name _____

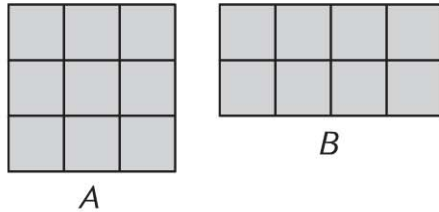
Same Perimeter, Different Areas

COMMON CORE STANDARD CC.3.MD.8

Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

Find the perimeter and the area.
Tell which rectangle has a greater area.

1.

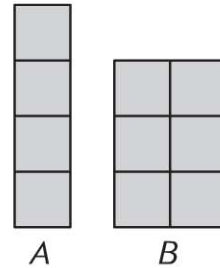


A: Perimeter = 12 units ;
Area = 9 square units

B: Perimeter = _____ ;
Area = _____

Rectangle _____ has a greater area.

2.



A: Perimeter = _____ ;
Area = _____

B: Perimeter = _____ ;
Area = _____

Rectangle _____ has a greater area.

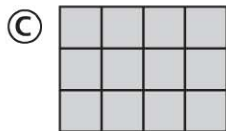
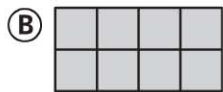
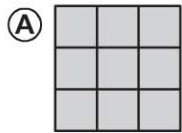
Problem Solving REAL WORLD

3. Tara's and Jody's bedrooms are shaped like rectangles. Tara's bedroom is 9 feet long and 8 feet wide. Jody's bedroom is 7 feet long and 10 feet wide. Whose bedroom has the greater area? **Explain.**

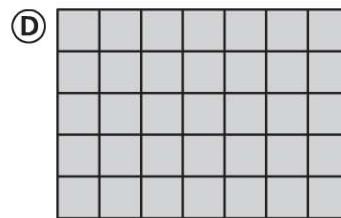
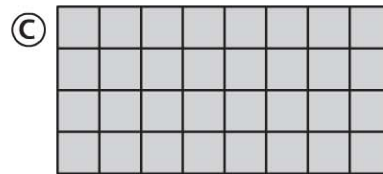
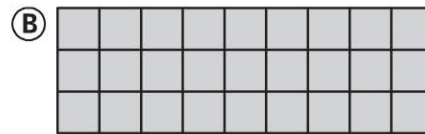
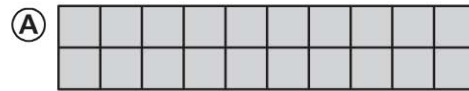
4. Mr. Sanchez has 16 feet of fencing to put around a rectangular garden. He wants the garden to have the greatest possible area. How long should the sides of the garden be?

Lesson Check (CC.3.MD.8)

1. Which shape has a perimeter of 12 units and an area of 8 square units?



2. All four rectangles below have the same perimeter. Which rectangle has the greatest area?



Spiral Review (CC.S.MD.7, CC.3.MD.7a, CC.3.MD.8)

3. Kerrie covers a table with 8 rows of square tiles. There are 7 tiles in each row. What is the area that Kerrie covers in square units?

(Lesson 11.6)

- (A) 15 square units
- (B) 35 square units
- (C) 42 square units
- (D) 56 square units

4. Von has a rectangular workroom with a perimeter of 26 feet. The length of the workroom is 6 feet. What is the width of Von's workroom?

(Lesson 11.3)

- (A) 7 feet
- (B) 13 feet
- (C) 20 feet
- (D) 26 feet