

# Area and Perimeter Exploration

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## Understanding Shapes with the Same Perimeter

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the questions below based on what we learned about perimeter and area.

1. What is perimeter?
  - A. The space inside a shape
  - B. The distance around a shape
  - C. The number of sides a shape has
2. Two rectangles can have the same perimeter but different \_\_\_\_.
3. Why is it important to understand the difference between area and perimeter?

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4. If two shapes have the same perimeter, what can we say about their area?
  - A. They must be the same
  - B. They can be different
  - C. They are always larger

5. Match the term to its definition.

Perimeter

Distance around a shape

Area

Space inside a shape

6. To create rectangles with the same perimeter, we can rearrange the number of \_\_\_\_ used.
7. What surprised you about today's shapes?

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8. What did we use to create our rectangles in class?
  - A. Grid paper
  - B. Circle paper
  - C. Triangle paper

9. Wisdom is supreme. Get \_\_\_\_.

10. How can the same perimeter create different areas?

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### Answer Key

1. The distance around a shape 2. areas 3. It helps us solve problems better and understand shapes. 4. They can be different 5. Distance around a shape 6. squares 7. I was surprised that they could have the same perimeter but look different. 8. Grid paper 9. wisdom 10. By changing the length and width of the rectangles.