ALBERT

Name _____ Date _____

Quadrilaterals Worksheet

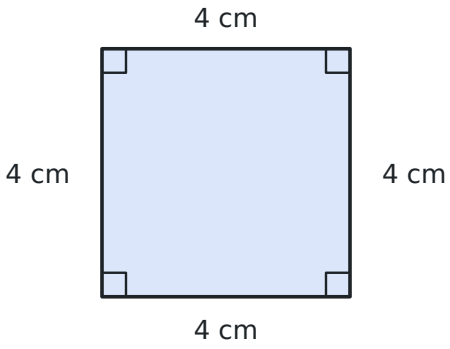
Grade 3 · Common Core 3.G.A.1

> Understand that shapes in different categories (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides), and that the shared attributes can define a larger category (e.g., quadrilaterals). Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any of these subcategories.

Practice

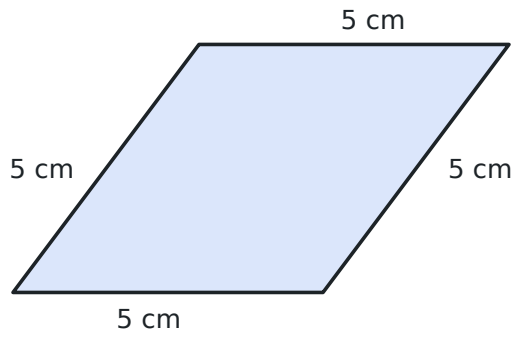
Builds the skill step by step.

1. What is the best name for this shape? Write one word.



2. How many sides does every quadrilateral have?

3. What is the best name for this shape? Write one word.



4. Which shape is NOT a quadrilateral?

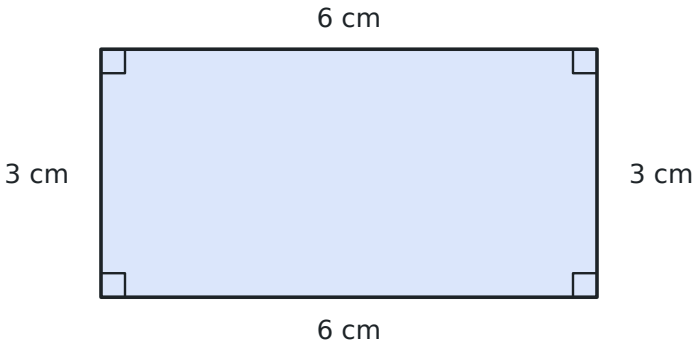
   A. rectangle

   B. square

   C. rhombus

   D. triangle

5. Which is true about this shape?



   A. It has 4 right angles.

   B. It has 3 sides.

   C. All of its sides are the same length.

   D. It has no right angles.

6. How many right angles does every rectangle have?

7. What do a square, a rectangle and a rhombus all have in common?

   A. They all have 4 right angles.

   B. They all have 4 sides.

   C. They all have 3 corners.

   D. They all have 4 equal sides.

8. A shape has 4 sides that are all the same length and 4 right angles. What is the name of this shape?

9. How many of these shapes are quadrilaterals: square, triangle, rectangle, pentagon, rhombus?

10. Which shape is a quadrilateral?

    A. A closed shape with 3 straight sides

    B. A closed shape with 5 straight sides

    C. A closed shape with 4 straight sides

    D. A circle

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On Level

Grade-level practice.

1. Which statement is true?

   A. Every rhombus is a square.

   B. Every square is a rectangle.

   C. Every quadrilateral is a rectangle.

   D. Every rectangle is a square.

2. Which statement is true?

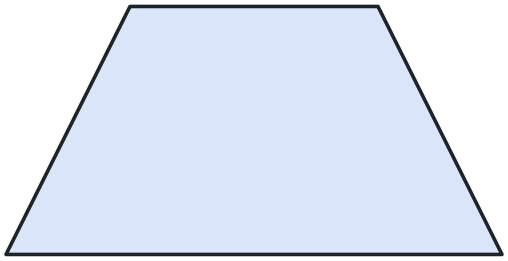
   A. Some rectangles have 5 sides.

   B. Every quadrilateral has 4 equal sides.

   C. Every rhombus is a rectangle.

   D. Every square is a rhombus.

3. Is this shape a square, a rectangle or a rhombus?



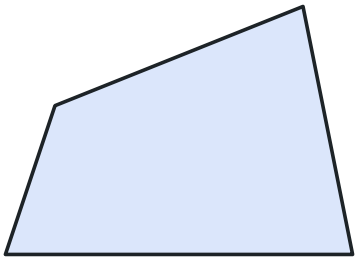
   A. None of these, but it is a quadrilateral
   B. A square
   C. A rectangle
   D. A rhombus

4. Jen says any shape with 4 equal sides must be a square. Which shape proves she is wrong?
   A. A rectangle that is 6 by 3
   B. A pentagon
   C. A rhombus with no right angles
   D. A triangle with 3 equal sides

5. Which attribute do ALL rectangles have?
   A. 4 equal sides
   B. no right angles
   C. 4 right angles
   D. only 2 sides

6. Which attribute do ALL rhombuses have?
   A. 3 sides
   B. 4 equal sides
   C. 4 right angles
   D. exactly 1 right angle

7. Which name fits this shape?

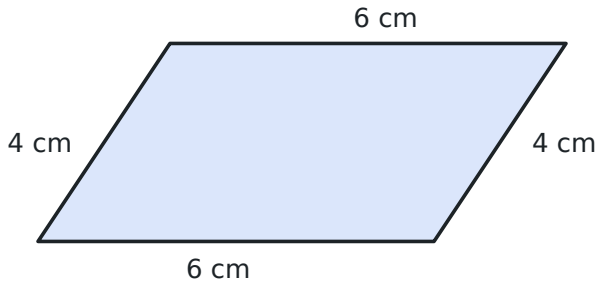


   A. Square
   B. Rhombus
   C. Rectangle
   D. Quadrilateral, but not a square, rectangle or rhombus

8. How many of these shapes have exactly 4 sides: square, rhombus, rectangle, trapezoid, triangle, hexagon?

9. A shape is both a rectangle and a rhombus. What must it be?

10. Which name fits this shape?



A. None of these, but it is a quadrilateral

B. Rhombus

C. Square

D. Rectangle

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Challenge

Multi-step and word problems that stretch it.

1. Which is NOT true about a square?

   A. It is a rhombus.

   B. It has 4 right angles.

   C. It is not a rectangle.

   D. It is a quadrilateral.

2. A rhombus has one side that is 6 inches long. What is its perimeter?

3. Which describes a rectangle that is NOT a square?

   A. 6 cm by 4 cm with 4 right angles

   B. 4 cm on every side with 4 right angles

   C. 4 equal sides and no right angles

   D. 3 sides

4. Ali draws a 4-sided shape with no right angles and no two sides the same length. Which name fits?

   A. rectangle

   B. square

   C. rhombus

   D. quadrilateral only

5. A square has a perimeter of 28 centimeters. How long is each side?

6. How is a square different from a rhombus that is not a square?

   A. The rhombus has more sides.

   B. The square has 4 right angles, and the rhombus does not.

   C. They are not different at all.

   D. The square's sides are not all equal.

7. Which kind of quadrilateral belongs to all three groups: rectangles, rhombuses and quadrilaterals?

8. A rectangle has a perimeter of 20 feet. One side is 6 feet long. How long is the side next to it?

9. Which is the best way to describe a quadrilateral?

   A. A shape with 4 equal sides

   B. A shape with 4 right angles

   C. A shape with 4 curved sides

   D. Any closed shape with 4 straight sides

10. Sam drew a 4-sided shape that is not a square, not a rectangle and not a rhombus. Which could it be?

    A. Sides of 5, 5, 5 and 5 cm

    B. Sides of 2, 5, 3 and 6 cm with no right angles

    C. Sides of 3, 3, 3 and 3 cm with 4 right angles

    D. Sides of 4, 2, 4 and 2 cm with 4 right angles