Shape Categories

Grade 3 Math Worksheet - Challenge Me

PencilGo

Name _____ Date _____

Circle the answer, or write the answer on the line.

1. Which attribute do all squares, rectangles and rhombuses share?

   only one pair of sides is equal

   all four sides are equal

   opposite sides are equal

   all four angles are right angles

2. A quadrilateral has 4 right angles. Which must be true?

   it has 4 equal sides it is a rhombus it is a rectangle it is a square

3. How many of these shapes are always rectangles: square, rhombus, trapezoid, rectangle?

   _____

4. A quadrilateral has 4 equal sides. Which must be true?

   it has 4 right angles it is a rectangle it is a rhombus it is a square

5. Sam drew a shape with 4 equal sides and 4 right angles. Which names fit it?

   square only

   square, rhombus and rectangle

   square and rectangle only

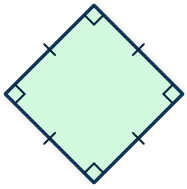
   square and rhombus only

6. Which statement about squares and rhombuses is true?

   a square has unequal sides every square is a rhombus every rhombus is a square

   no rhombus is a square

7. Ana says this is not a square because it is turned. Is she right?



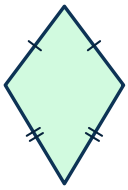
yes, it is a rhombus, not a square

no, it has 4 equal sides and 4 right angles

no, it is a rectangle with unequal sides

yes, a square must sit flat on a side

8. Mia must draw a quadrilateral that is not a rectangle, rhombus or square. Does this shape work?



no, two pairs of equal sides make a rectangle

no, it is a square turned on its side

yes, no right angles and not all sides equal

no, it has four sides, so it is a rhombus

9. Which shape belongs in the rhombus group but not the rectangle group?

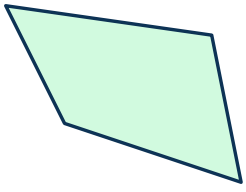
a rectangle with two long sides

a square turned onto a corner

a rhombus with no right angles

a square

10. Which group does this shape belong to?



rhombuses quadrilaterals only rectangles squares and rectangles

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Answer Key - Grade 3 Math Worksheet - Challenge Me

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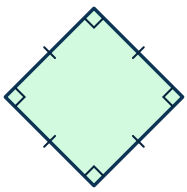
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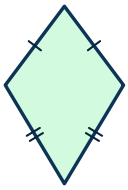
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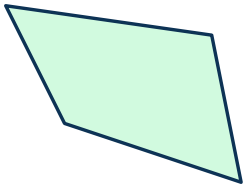
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