Name _____

Sort Two-Dimensional Shapes

Essential Question How can you use attributes to classify and sort two-dimensional shapes?
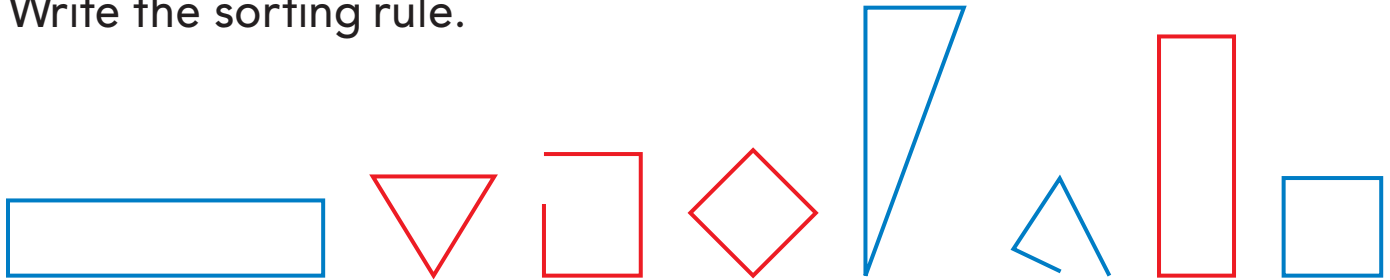
Common Core Geometry—1.G.A.1

MATHEMATICAL PRACTICES
MP6, MP7, MP8

Listen and Draw *Real World*

Draw to sort the shapes.
Write the sorting rule.

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FOR THE TEACHER • Read the following aloud. Devon wants to sort these shapes to show a group of triangles and a group of rectangles. Draw and write to show how Devon sorts the shapes.
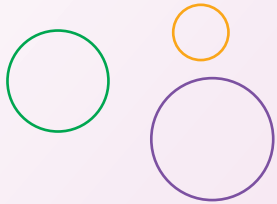
Math Talk MATHEMATICAL PRACTICES **6**

Explain Are there shapes that did not go in your groups?

Model and Draw

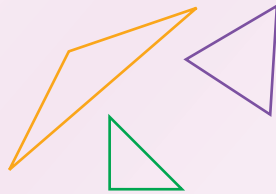Here are some ways to sort two-dimensional shapes.

A **square** is a special kind of rectangle.

curved and closed shapes

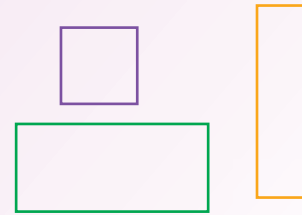**circles**

closed shapes with ____ **sides**

triangles
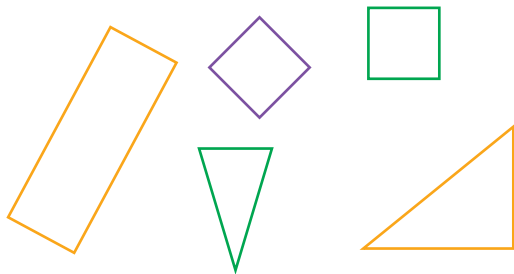
closed shapes with ____ **vertices**

rectangles
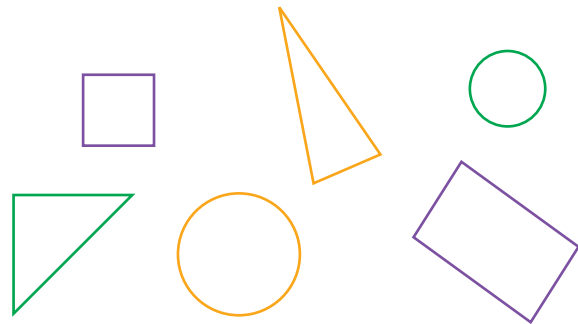
Share and Show MATH BOARD

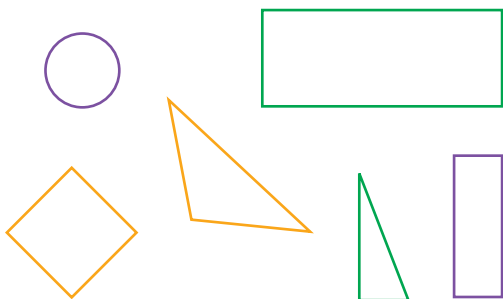Read the sorting rule. Circle the shapes that follow the rule.

THINK
Vertices (corners) are where the sides meet.

1. 4 vertices (corners)

2. not curved

3. only 3 sides

4. more than 3 sides

Name _____
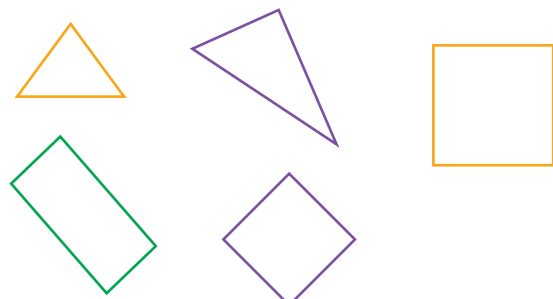
MATHEMATICAL PRACTICE 6 **Use Math Vocabulary**

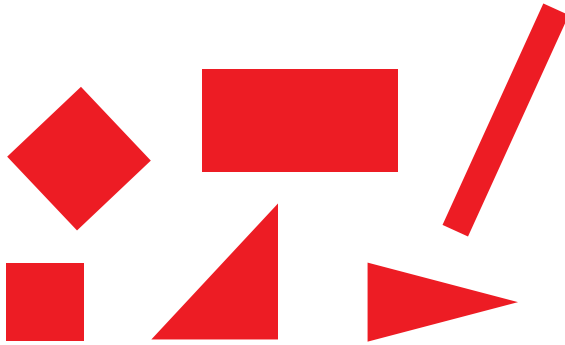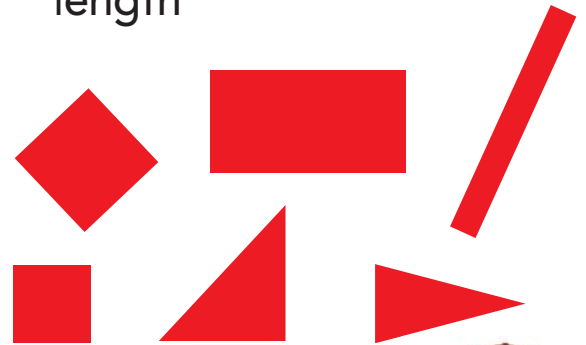Circle the shapes that follow the rule.

5. curved
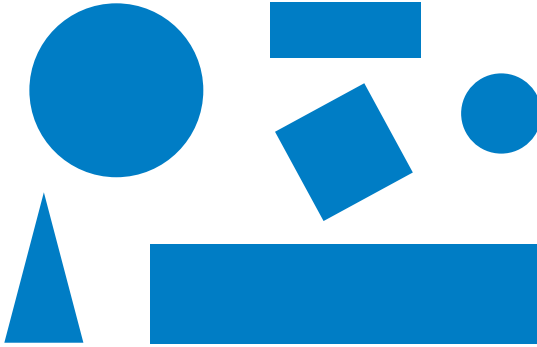
6. only 3 vertices (corners)

7. 4 sides

8. 4 sides are the same length

THINK SMARTER Draw 2 different two-dimensional shapes that follow both parts of the sorting rule.
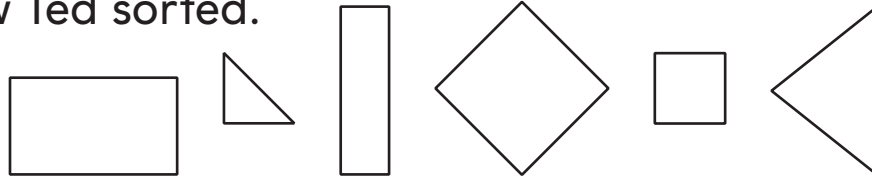
9. 3 sides and 3 vertices (corners)
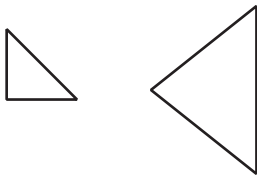
10. 2 sides are long and 2 sides are short
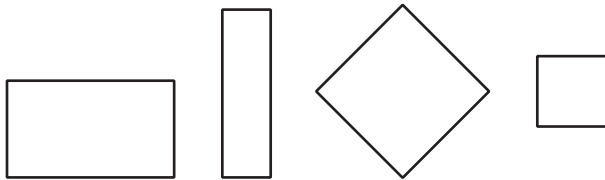
Problem Solving • Applications   Real World   WRITE ▸ Math

Ted sorted these shapes three different ways. Write sorting rules to tell how Ted sorted.

11.

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12.

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13. *THINK SMARTER*

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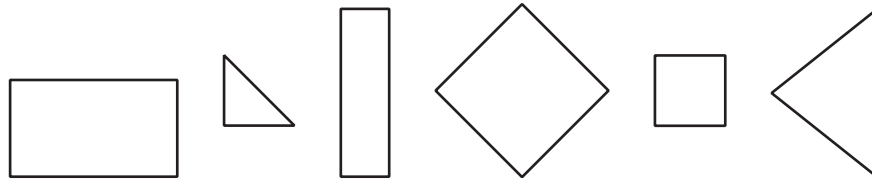
14. *THINK SMARTER* Which shapes have more than 3 sides? Choose all that apply.

○   ○   ○   ○   ○

TAKE HOME ACTIVITY • Gather some household objects such as photos, buttons, and napkins. Ask your child to sort them by shape.

Sort Two-Dimensional Shapes
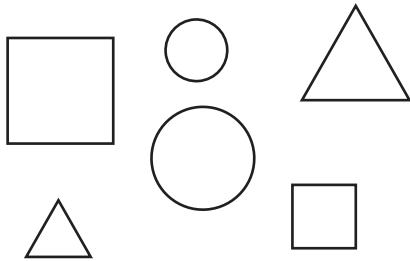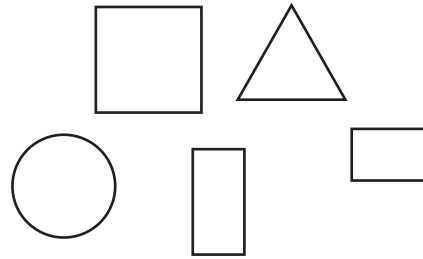
Read the sorting rule. Circle the shapes that follow the rule.

1. not curved

2. 4 vertices

Problem Solving Real World

3. Katie sorted these shapes. Write a sorting rule to tell how Katie sorted.

_____

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_____
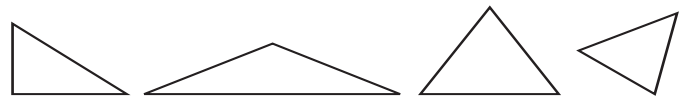
4. WRITE Math Explain how you would name a sorting rule for 1 square, 1 rectangle, and 1 triangle.

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Lesson Check

1. Circle the shape that would **not** be sorted into this group.

2. Circle the shape that has fewer than 4 sides.
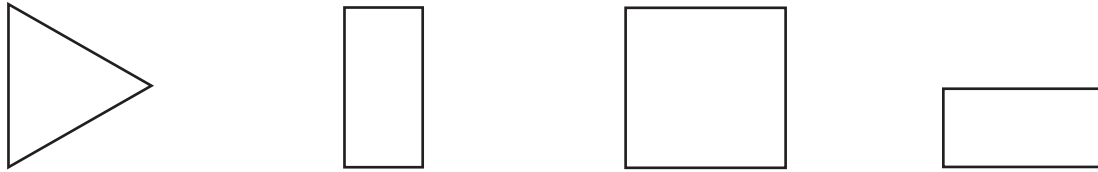
Spiral Review

Solve. Draw or write to explain.

3. Clue 1: A black line is shorter than a white line.
Clue 2: The white line is shorter than a gray line.
Is the black line longer or shorter
than the gray line? _____

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FOR MORE PRACTICE
GO TO THE
Personal Math Trainer