Student Guide

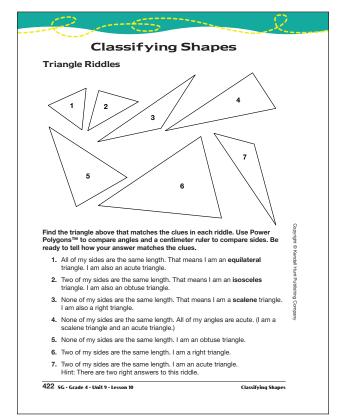
Classifying Shapes

Questions 1-10 (SG pp. 422-424)

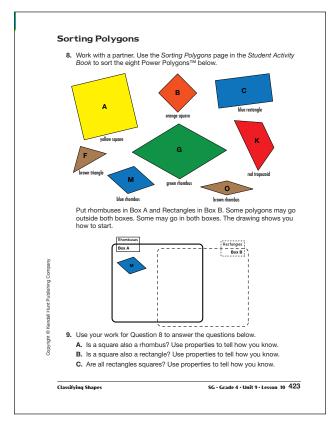
- **I.** 1
- **2.** 3
- **3.** 4
- **4.** 5
- **5.** 7
- **6.** 2
- **7.** 6, 1
- **8.** Box A: G, M, O Box A and B: A, B Box B: C

Outside the boxes: F, K

- **9. A.*** Yes, a square is a rhombus, it has 4 sides of equal length.
 - **B.*** Yes, a square is a rectangle, it has 4 sides and 4 right angles.
 - **C.*** No, not all rectangles are squares. A rectangle doesn't need all 4 sides to be equal.



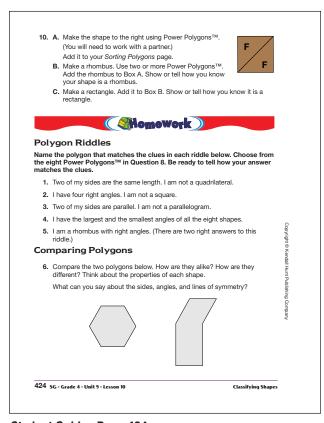
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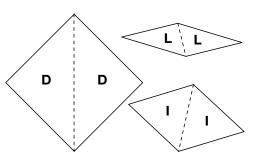
^{*}Answers and/or discussion are included in the lesson.

Answer Key • Lesson 10: Classifying Shapes

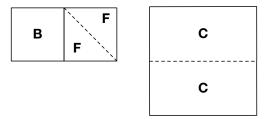


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- 10. A. The shape belongs in both Box A and
 - **B.** Shapes will vary. If it has 4 sides of equal length, it is a rhombus. Possible solutions for a rhombus:



C. Shapes will vary. If it has 4 sides with 4 right angles, it is a rectangle. Two possible solutions for a rectangle:



Homework

Questions 1–6 (SG p. 424)

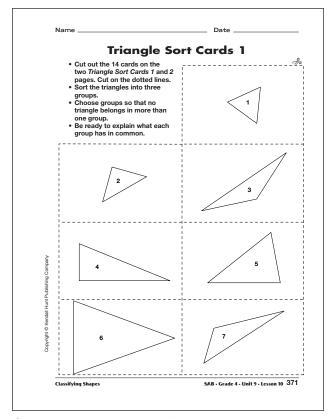
- I. F
- **2.** C
- **3.** K
- **4.** O
- **5.** A, B
- **6.** Both shapes have 6 sides. The first shape has 6 equal sides, and 6 equal angles. The second shape has different side lengths and angles. The first shape has 6 lines of symmetry, the second shape has none.

Student Activity Book

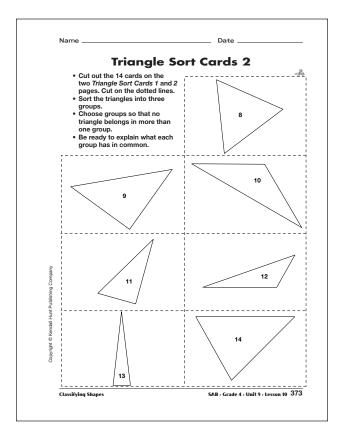
Triangle Sort Cards 1 and 2* (SAB pp. 371–373)

See Figure 1 and lesson for discussion.

Sorting Polygons* (SAB pp. 375–376) See lesson.

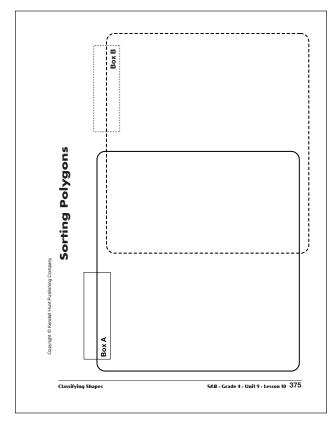


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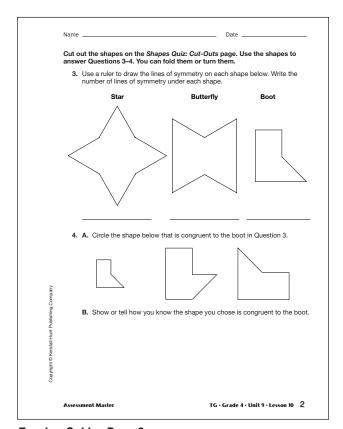
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^{*}Answers and/or discussion are included in the lesson.

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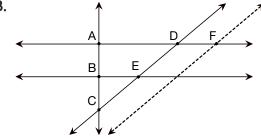
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Shapes Quiz

Questions 1-7 (TG pp. 1-5)

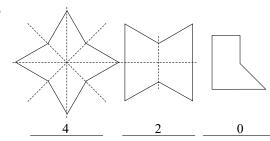
I. A. CD

B.



2. Yes, quadrilateral ABED has 4 sides with one pair of parallel sides, so it is a trapezoid.

3.



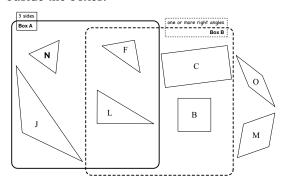
4. A.



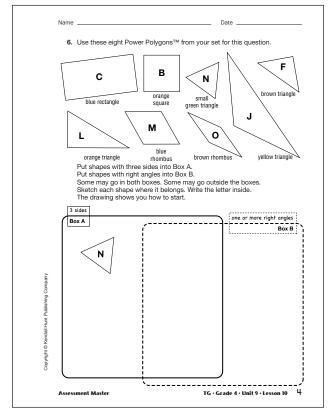
B. It is the same shape and size as the boot; it has been turned and flipped.

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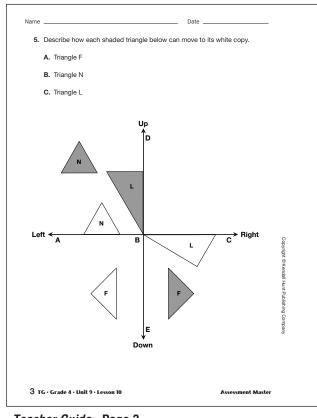
- **5.** A. Flip over DE
 - B. Slide down and right
 - C. Rotate around B
- **6.** Box A should contain Shapes N and J, Box B should contain Shapes C and B, and Shapes F and L are in both boxes. Shapes O and M are ouside the boxes.



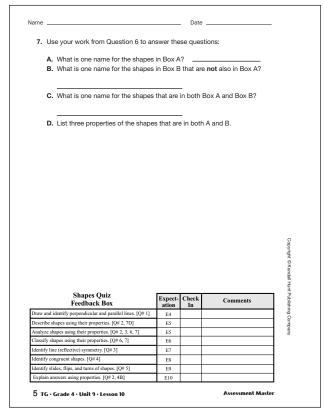
- 7. A. Triangles
 - **B.** Rectangles
 - C. Right triangles
 - **D.** Possible response: three sides, one right angle, two acute angles



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