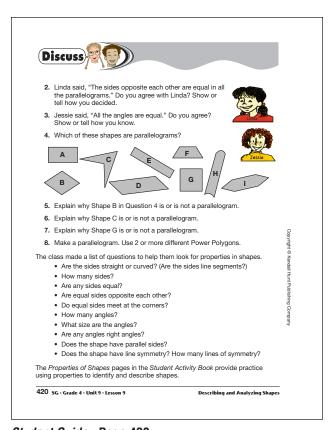


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*Answers and/or discussion are included in the lesson.

Student Guide

Describing and Analyzing Shapes Questions 1-8 (SG pp. 419-420)

- 1.* See Figure 6 in lesson Part 2.
- 2.* Linda is correct. See lesson Part 2. 3.*

Jessie is incorrect. See lesson Part 2.

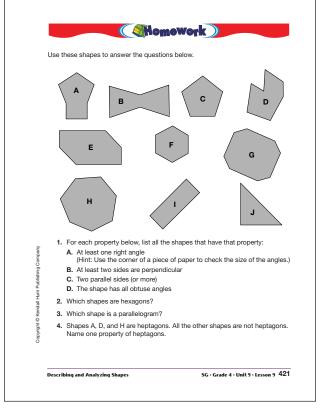
- **4.** A, B, D, E, and G are parallelograms.
- **5.** B is a parallelogram because it has four straight sides, with two equal, parallel sides. It has two pairs of equal angles.
- **6.** C is not a parallelogram. Possible responses: C does not have two pairs of equal, parallel sides. It does not have two pairs of equal angles.
- **7.** G is a square and also a parallelogram. All its sides and angles are equal, so it has two pairs of equal sides that are parallel, and two pairs of opposite equal angles.
- 8.* Shapes will vary. See Figure 8 in lesson Part 2.

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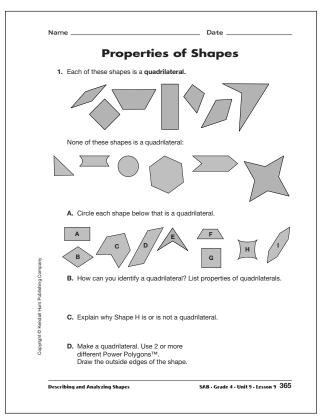
Homework

Questions 1–4 (SG p. 421)

- I. A. A. E, I, J
 - **B.** A, E, I, J
 - **C.** A, B, E, F, G, I
 - **D.** C, F, G, H
- **2.** B, E, F
- **3.** I
- **4.** Heptagons have seven straight sides.



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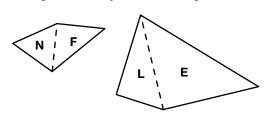
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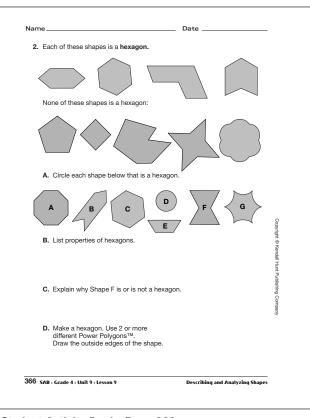
Properties of Shapes

Questions 1-5 (SAB pp. 365-369)

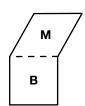
- I. A. A, B, D, E, F, and G should be circled.
 - **B.** Quadrilaterals have four straight sides and four corners.
 - **C.** H is not a quadrilateral because its sides are not straight.
 - **D.** Shapes will vary. Possible shapes:



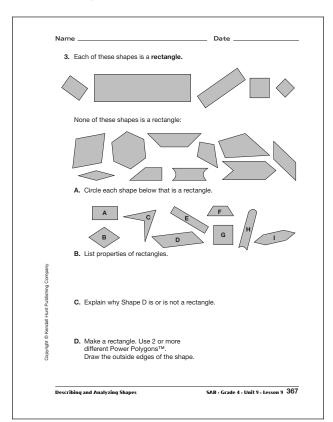
Answer Key • Lesson 9: Describing and Analyzing Shapes



- 2. A. B, C, and F should be circled.
 - **B.** Hexagons have six straight sides and six corners.
 - **C.** F is a hexagon because it has 6 straight sides.
 - **D.** Shapes will vary. Possible shape:

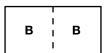


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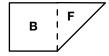
- **3. A.** A, E, and G should be circled.
 - **B.** Rectangles have four straight sides and four right angles. Each side is parallel to the side opposite, and there are two or more lines of symmetry.
 - **C.** D is not a rectangle because its angles are not right angles.
 - **D.** Shapes will vary. Possible shape:

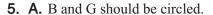


TG · Grade 4 · Unit 9 · Lesson 9 · Answer Key

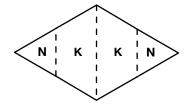
Answer Key • Lesson 9: Describing and Analyzing Shapes

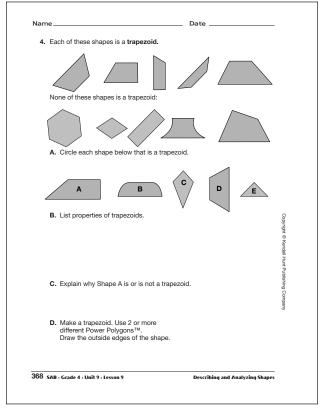
- **4. A.** A and D should be circled.
 - **B.** Trapezoids have four straight sides and one pair of parallel opposite sides.
 - **C.** A is a trapezoid because it has four straight sides, two of which are parallel.
 - **D.** Shapes will vary. Possible shape:



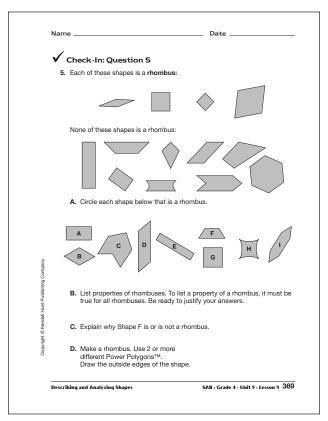


- **B.** Rhombuses have four straight, equal sides, with two pairs of parallel sides. They have 4 angles, and opposite angles are equal. They also have at least two lines of symmetry.
- **C.** F is not a rhombus because its sides are not all equal, it has only one pair of parallel sides, it has only one line of symmetry, and its opposite angles are not equal.
- **D.** Shapes will vary. Possible shape:





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