Student Activity Book

Name _____ Date _____

Parts and Wholes

Cover the Whole

Cover the shapes below with pattern blocks. For each question, use only one color of blocks.

1. Cover the blue rhombus with 2 pieces.
What color did you use? _____

2. Cover the red trapezoid with 2 pieces.
What color did you use? _____

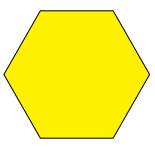**3.** Cover the red trapezoid with 3 pieces.
What color did you use? _____
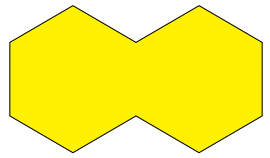
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Student Activity Book

Parts and Wholes (SAB pp. 643–646)
Questions 1–14

1. green
2. brown
3. green
4. blue
5.* green
6.* brown
7.* red

Name _____ Date _____

4. Cover the yellow hexagon with 3 pieces.
What color did you use? _____

5. Cover the yellow hexagon with 6 pieces.
What color did you use? _____

6. Cover the yellow hexagon with 4 pieces.
What color did you use? _____

7. Cover this shape with 4 pieces.
What color did you use? _____

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

8. half

9. half

10. third

11.* third

12. sixth

13. fourth
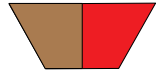
14. fourth

Name _____ Date _____

Name the Part

For each question, think about how many pieces you used to cover the whole shape. Then use one of the words in the box to fill in the blank.
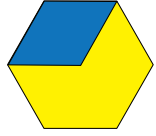
| half | fourth | third | sixth | eighth |

8. The green triangle is one-_____ of the blue rhombus.

9. The brown trapezoid is one-_____ of the red trapezoid.

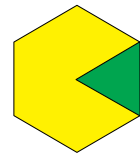**10.** The green triangle is one-_____ of the red trapezoid.

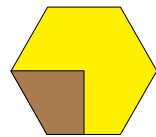**11.** The blue rhombus is one-_____ of the yellow hexagon.

Partition Shapes   SAB · Grade 2 · Unit 13 · Lesson 2   **645**
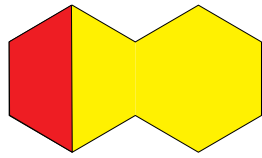
Student Activity Book - **Page 645**

Name _____ Date _____

12. The green triangle is one-_____ of the yellow hexagon.

13. The brown trapezoid is one-_____ of the yellow hexagon.

14. The red trapezoid is one-_____ of the shape.

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

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Name _____ Date _____

Show Part of the Whole

| half | fourth | third | sixth | eighth |

✓ **Check-In: Questions 1-3**

1. Kim is thinking about the names of parts of shapes. She calls the red trapezoid one-half of the yellow hexagon. She then wonders how the green triangle can also be called one-half of the blue rhombus.

   Something seems wrong. Both parts cannot be "half."

   Kim

   Do you agree with Kim? Why or why not?

2. This is the whole:

   A. Shade one-fourth of the whole in the shape above.

   B. The blue rhombus is one-_____ of the shape.

Partition Shapes   SAB · Grade 2 · Unit 13 · Lesson 2   **647**

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Name _____ Date _____

3. This is the whole:

   A. Shade one-half of the whole in the shape above.

   B. The red trapezoid is one-_____ of the shape.

   C. Two red trapezoids are one-_____ of the shape.

   D. The blue rhombus is one-_____ of the shape.

648   SAB · Grade 2 · Unit 13 · Lesson 2   Partition Shapes

Show Part of the Whole (SAB pp. 647–650)
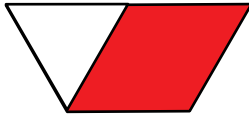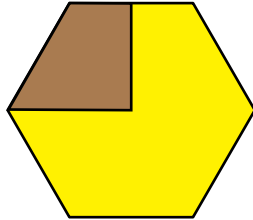## Questions 1–5

1. Kim is not correct. Possible explanation: Both parts can be called one-half. The red trapezoid is half of the yellow hexagon because if the hexagon is split into two equal parts, a red trapezoid covers one of the two parts. If a blue rhombus is split into two equal parts, a green triangle covers one of the two parts, so the triangle is one-half.

2. **A.** Possible response:

   B. one-half

3. **A.** Possible response:
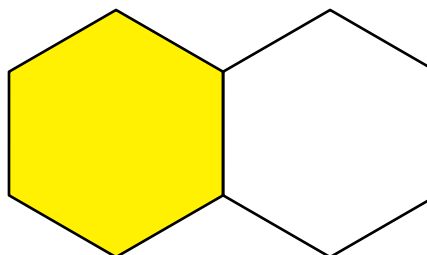
   B. one-fourth
   C. one-half or two-fourths
   D.*one-sixth

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

4. A. Possible response:
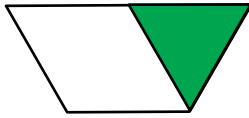
B. Possible response:

C. Possible response:

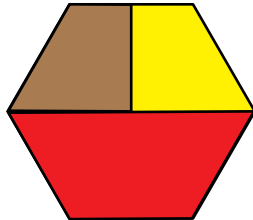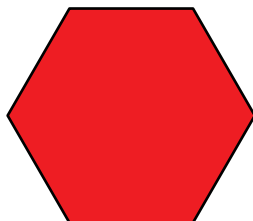**5. A.** *Possible response:

B. *Possible response:

C. *Possible response:

D. *Possible response:

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

Name _____ Date _____

For Questions 4–5, trace a block or blocks and shade to show the part described.

4. This is the whole:

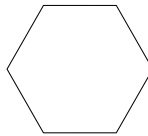**A.** Show one-third of the whole.

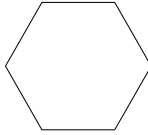**B.** Show two-thirds of the whole.

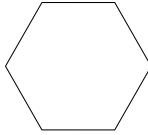**C.** Show three-thirds of the whole.
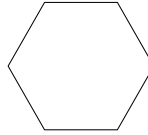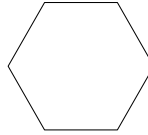
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Name _____ Date _____

5. This is the whole:

A. Show one-fourth of the whole.
B. Show two-fourths of the whole.

C. Show three-fourths of the whole.
D. Show four-fourths of the whole.

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Mrs. Murphy's Party Cake (SAB p. 653)
Questions 1–5

Possible responses for Questions 1–3 and 5 are shown in the drawing below:

1–3, 5.

4. three-fourths