Student Activity Book

Area Riddles (SAB pp. 683–684)
Questions 1–6

1.* 12 sq cm
- ▭ is 8
- ◺ is 4
- ▯ is 3
- □ is 2

2.* 12 sq cm
- ▭ is 8
- ◺ is 4
- ▯ is 3
- □ is 2

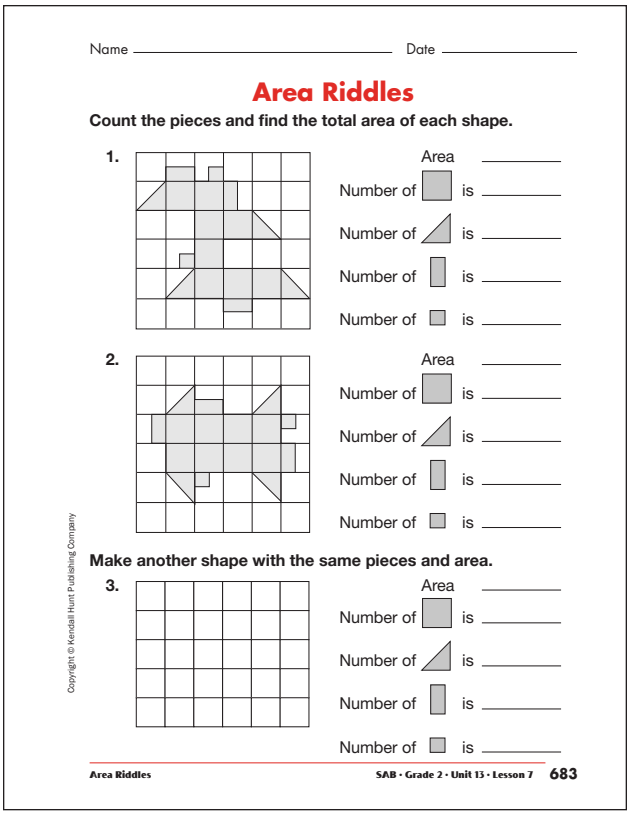
3.* Shapes should be 12 sq cm
- ▭ is 8
- ◺ is 4
- ▯ is 3
- □ is 2

4–6. Shapes will vary.

4.* Area = $8\frac{1}{2}$ sq cm

5. Area = 11 sq cm

6.* Area = $8\frac{1}{4}$ sq cm



Name _____ Date _____

Area Riddles

Count the pieces and find the total area of each shape.

1. Area _____
   Number of ▭ is _____
   Number of ◺ is _____
   Number of ▯ is _____
   Number of □ is _____

2. Area _____
   Number of ▭ is _____
   Number of ◺ is _____
   Number of ▯ is _____
   Number of □ is _____

Make another shape with the same pieces and area.

3. Area _____
   Number of ▭ is _____
   Number of ◺ is _____
   Number of ▯ is _____
   Number of □ is _____

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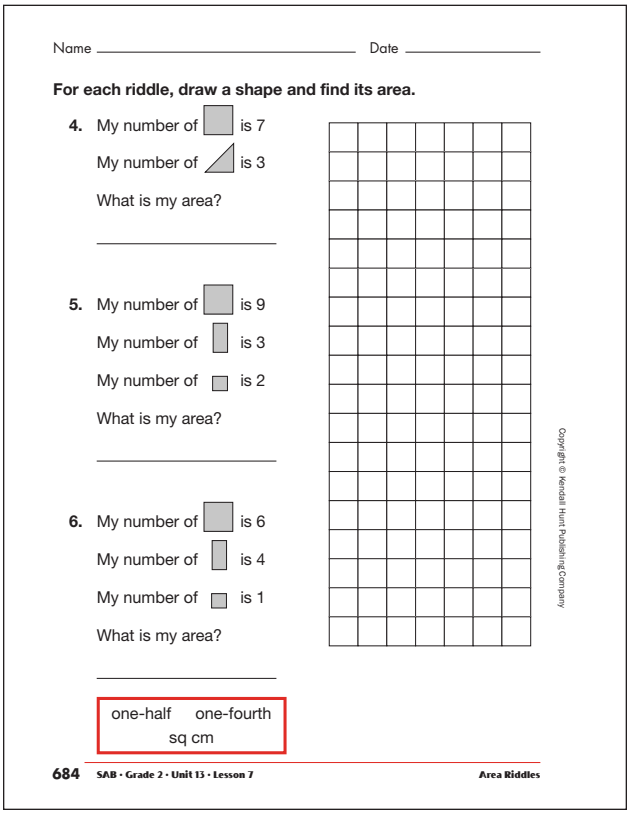

Name _____ Date _____

For each riddle, draw a shape and find its area.

4. My number of ▭ is 7
   My number of ◺ is 3
   What is my area?
   _____

5. My number of ▭ is 9
   My number of ▯ is 3
   My number of □ is 2
   What is my area?
   _____

6. My number of ▭ is 6
   My number of ▯ is 4
   My number of □ is 1
   What is my area?
   _____

one-half one-fourth
sq cm

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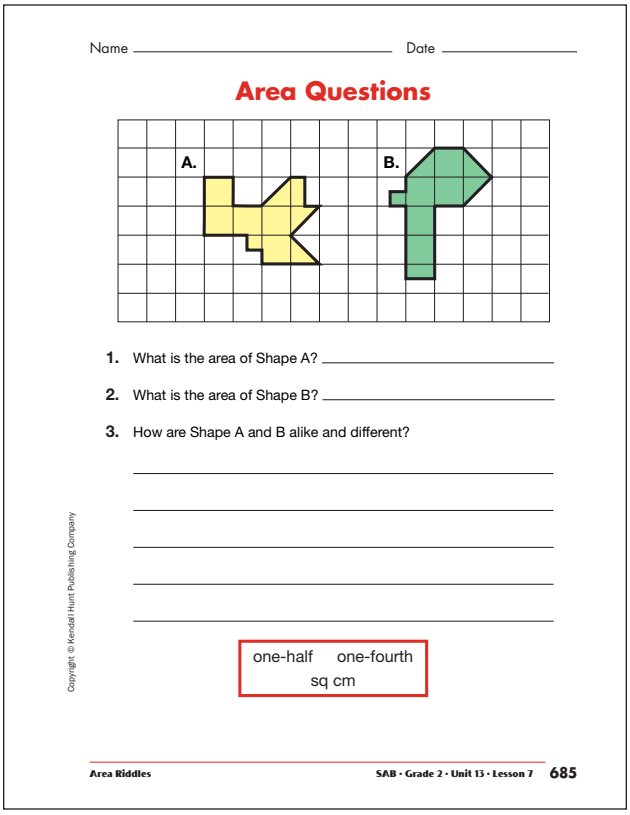
***Answers and/or discussion are included in the lesson.**



Name _____ Date _____

Area Questions

1. What is the area of Shape A? _____
2. What is the area of Shape B? _____
3. How are Shape A and B alike and different?

one-half one-fourth
sq cm

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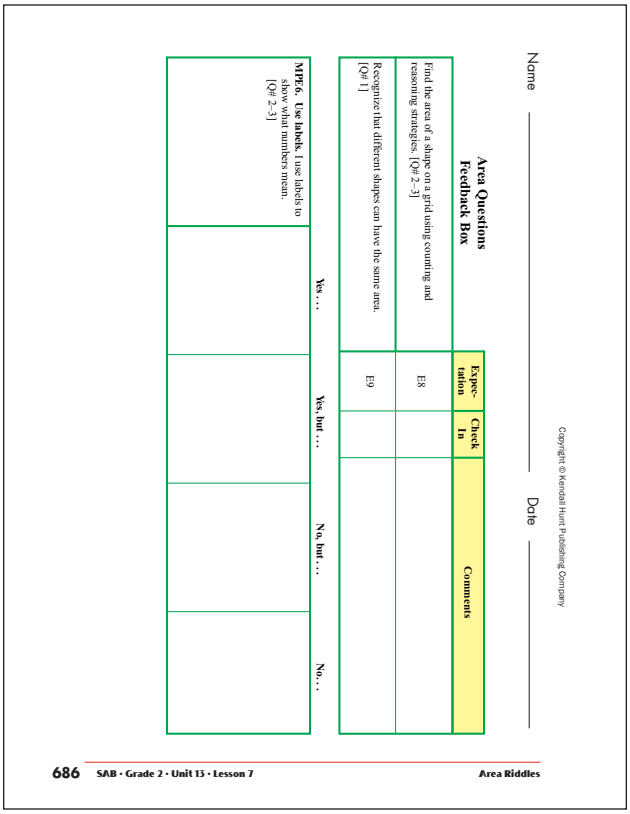

Name _____ Date _____

Area Questions Feedback Box

Expectation	Check In	Comments
E8		
E9		

Find the area of a shape on a grid using counting and reasoning strategies. [Q# 2–3]

Recognize that different shapes can have the same area. [Q# 1]

MP6. Use labels. I use labels to show what numbers mean. [Q# 2–3]

Yes . . .

Yes, but . . .

No, but . . .

No . . .

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Area Questions (SAB p. 685–686)
Questions 1–3

1. Shape A = $7\frac{1}{4}$ sq cm
2. Shape B = $7\frac{1}{4}$ sq cm
3. Answers will vary. Possible response: A and B are different shapes. They are alike because they have the same area. They are both made with 5 □, 3 ◺, 1 ▯, and 1 ▫.

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