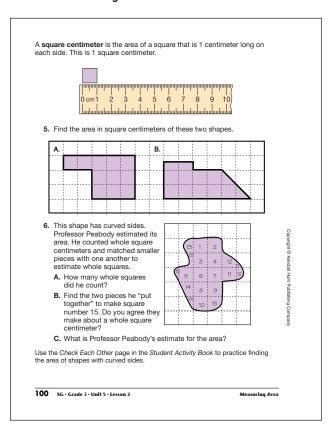


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*Answers and/or discussion are included in the lesson.

TG · Grade 3 · Unit 5 · Lesson 2 · Answer Key

Student Guide

Measuring Area (SG pp. 99–100) Questions 1–6

- 1. 20 square tiles
- **2.*** Prof. Peabody numbered two tiles with the same number to show that two halves together cover one whole.
- 3.*64 square tiles
- **4.** 84 square tiles: 64 + 20 = 84
- **5. A.** 11 square centimeters
 - **B.*** about 11 square centimeters
- **6. A.** 10 whole square centimeters
 - B. Yes
 - **C.** 15 square centimeters

Student Activity Book

Check Each Other (SAB p. 147) Questions 1–2

- I. Area is approximately 15 sq cm.
- **2. A.*** Possible response: I do not agree with either Luis or Grace. Both Luis and Grace made counting errors.
 - **B.*** Possible response: Luis counted half square centimeters as wholes, so his count is too high. He should match up the half pieces to count them as whole pieces.
 - C.* Grace counted two square centimeters twice (numbered with 14), so her count is too low. She matched up one set of half pieces but should count the piece that is almost one whole as the 15th piece rather than the 14th.

Check Each Other 1. Find the area in square centimeters. 1. Square centimeter 1. Find the area in square centimeters. 2. Luis and Grace each found the area of the shape in Question 1. Look at their work. Luis's Work Grace's Work Grace's Work The area is about 17 Square centimeters. The area is about 14 Square centimeters. A. Do you agree with these students? Why or why not? B. How can Luis improve his work? C. How can Grace improve her work? Measuring Area SAB-Grade 3- Unit 5- Lesson 2 147

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Area of Five Shapes (SAB p. 149) Shapes A–E

- **A.** $33\frac{1}{2}$ sq cm
- B. about 14 sq cm
- **C.** about 17 sq cm or $17\frac{1}{4}$ sq cm
- **D.** about $31\frac{1}{2}$ sq cm
- **E.** 17–19 sq cm

Teacher Guide

Putting Pieces Together (TG pp. 1–2)

Responses will vary.

Make Your Own Shape (TG pp. 1-2)

Shapes and area will vary.

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