

Unit 2: Area and Multiplication

PRACTICE · SET 4

Name: _____ Date: _____

Solve each problem and write just the short answer (a number, or yes/no where asked) — no units needed.

1. Nina covers the back of a photo frame with unit squares. She makes 5 rows with 9 unit squares in each row, and no gaps. What is the area of the frame back, in square units?

Answer: _____

3. A rectangular name sticker has an area of 54 square centimeters. It is 6 cm tall. How many centimeters long is it?

Answer: _____

5. A wall banner is 7 feet tall and 12 feet wide. Kofi finds the area by splitting the banner into a 7 foot by 10 foot part and a 7 foot by 2 foot part. What is the total area in square feet?

Answer: _____

7. Maya's picnic blanket is 6 feet by 8 feet. Sam's picnic blanket is 4 feet by 12 feet. Do the two blankets have the same area? Answer yes or no.

Answer: _____

9. A rectangular vegetable bed is 10 feet long and 8 feet wide. Inside it, a rectangular patch of stones 3 feet by 4 feet has no plants. How many square feet of the bed have plants?

Answer: _____

2. A rectangular dumpling tray is 9 cm long and 4 cm wide. What is its area in square centimeters?

Answer: _____

4. A square window pane has sides that are 8 inches long. What is the area of the pane in square inches?

Answer: _____

6. A reading nook floor is made of two rectangles pushed together. One rectangle is 5 feet by 3 feet. The other rectangle is 6 feet by 2 feet. What is the total area of the floor in square feet?

Answer: _____

8. A classroom floor is 7 meters long and 6 meters wide. It is covered with square tiles that are each 1 meter by 1 meter, with no gaps. How many tiles cover the floor?

Answer: _____

10. A mosaic is made of 72 unit squares. The squares are in equal rows with 9 squares in each row. How many rows are there?

Answer: _____

11. Grandma sews 4 placemats that are all the same size. Each placemat is 3 inches by 8 inches. What is the total area of all 4 placemats in square inches?

Answer: _____

12. A rectangular garden flag is 4 inches tall and 5 inches wide. A bigger flag has the same height but is twice as wide. What is the area of the bigger flag in square inches?

Answer: _____