

Unit 2: Area and Multiplication

PRACTICE · SET 3

Name: _____ Date: _____

Solve each problem and write your answer on the line — all areas are in square units, so multiply rows $\times$ squares in each row.

1. Maya has a sticker sheet with 6 rows of stickers. Each row has 9 stickers. Every sticker covers exactly 1 square inch. What is the total area covered by the stickers, in square inches?

Answer: _____

2. The bottom of a fish tank is a rectangle that is 8 inches long and 7 inches wide. What is the area of the bottom of the tank, in square inches?

Answer: _____

3. A hopscotch court is painted as a rectangle with an area of 36 square feet. The court is 4 feet wide. How many feet long is it?

Answer: _____

4. A rabbit pen is shaped like a square. Each side is 7 meters long. What is the area of the pen, in square meters?

Answer: _____

5. A reading nook floor is covered by two rugs that do not overlap. One rug is 5 feet by 4 feet. The other rug is 3 feet by 2 feet. What is the total area covered, in square feet?

Answer: _____

6. A stage floor is a rectangle 9 meters long and 6 meters wide. A trapdoor that is 3 meters by 2 meters is cut out of it. How many square meters of floor are left?

Answer: _____

7. Poster A is 8 inches by 5 inches. Poster B is 6 inches by 7 inches. How many square inches larger is Poster B than Poster A?

Answer: _____

8. A window has 4 glass panes. Each pane is 3 inches by 5 inches. What is the total area of all 4 panes, in square inches?

Answer: _____

9. A garden is 7 meters wide. Sam splits it into two parts: one part is 7 meters by 5 meters and the other is 7 meters by 3 meters. What is the area of the whole garden, in square meters?

Answer: _____

10. Tile mat A is 4 tiles by 6 tiles. Tile mat B is 3 tiles by 8 tiles. Do the two mats have the same area? Answer yes or no.

Answer: _____

11. A photo card is 3 inches by 5 inches. A poster has sides that are each twice as long as the photo card's sides. What is the area of the poster, in square inches?

Answer: _____

12. A classroom floor is covered with 48 carpet squares laid in equal rows. Each row has 8 squares. How many rows are there?

Answer: _____