Name _____ Date _____

Area of Rectangles: Square Units and Multiplication

Directions: Area is the number of square units that cover a shape. Read each length and width before you multiply.

1. Square tiles cover a table top with no gaps or overlaps. There are 3 rows of tiles, and each row has 5 tiles. Each tile covers 1 square foot. What is the area of the table top?

_____ square feet

2. A rectangular rug is 6 feet long and 4 feet wide. What is the area of the rug?

_____ square feet

3. A rectangular poster is 8 inches long and 5 inches wide. Which way finds the area of the poster?

A. Multiply 8 by 8.

B. Add 8, 5, 8 and 5.

C. Multiply 8 by 5.

D. Add 8 and 5.

4. One bag of grass seed covers 1 square meter. A rectangular lawn is 9 meters long and 5 meters wide. How many bags of seed are needed to cover the whole lawn?

_____ bags

5. A rectangle 4 cm wide and 7 cm long is split into two smaller rectangles. Fill in the two missing areas.

One part is 4 cm by 5 cm, so its area is _____ square cm. The other part is 4 cm by 2 cm, so its area is 8 square cm. Together they make the whole rectangle, which has an area of _____ square cm.

6. Two blankets are shaped like rectangles. The blue blanket is 6 feet long and 5 feet wide. The green blanket is 8 feet long and 4 feet wide. Which blanket has the greater area?

A. They have the same area.

B. the green blanket

C. the blue blanket

7. A square floor tile is 9 inches long on every side. What is the area of the tile?

_____ square inches

8. A patio has two parts that do not overlap. The first part is a rectangle 6 meters long and 3 meters wide. The second part has an area of 15 square meters. What is the area of the whole patio?

_____ square meters