Area of Rectangles: Garden Plots

3rd Grade · Math

Level 3: Challenge

Name: _____ Date: _____

Directions: Solve each garden problem. Show your thinking and label answers with square units.

1. A bean bed is 6 feet long and 4 feet wide. What is its area?

Work:

Answer: _____

2. A rectangle of carrots has an area of 30 square feet. It is 6 feet long. How wide is it?

Work:

Answer: _____

3. Maya's squash patch is 7 meters by 5 meters. Ben's is 6 meters by 6 meters. Whose patch has the greater area? By how much?

Work:

Answer: _____

4. A square herb box has sides of 9 inches. What is its area?

Work:

Answer: _____

5. The class garden is 10 yards long and 8 yards wide. Half of it is planted with corn. What area is planted with corn?

Work:

Answer: _____

6. A garden plot has an area of 48 square feet. List two different length and width pairs it could have (whole numbers).

Work:

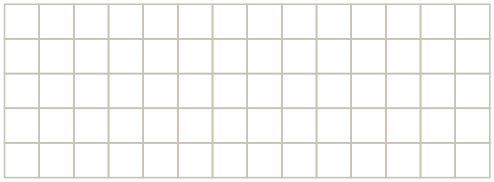
Answer: _____

7. Two plots sit side by side. One is 4 m by 3 m and the other is 4 m by 5 m. What is their total area?

Work:

Answer: _____

8. Draw a rectangle with an area of 18 square units on the grid below. Label its length and width.



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Answer Key

3rd Grade · Math

Area of Rectangles — Level 3: Challenge

1. 24 square feet
2. 5 feet
3. Ben's (36 sq m vs 35 sq m), by 1 square meter
4. 81 square inches
5. 40 square yards
6. Any two of: 1×48, 2×24, 3×16, 4×12, 6×8
7. 12 + 20 = 32 square meters (or 4 × 8 = 32)
8. Any 1×18, 2×9, 3×6 rectangle

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