

# Planning a Garden: Measurement in the Real World

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5th Grade Math Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work when needed.

1. Calculate the area of a rectangular garden plot that is 6 feet long and 4 feet wide. Area = \_\_\_\_

2. If a garden plot has a perimeter of 30 feet, and one side is 10 feet, what is the length of the other side? Length = \_\_\_\_

3. Sarah wants to plant flowers in a rectangular garden that is 8 feet long and 3 feet wide. How many square feet will the flowers cover?

\_\_\_\_\_

4. Convert 12 feet into inches. \_\_\_\_ inches

5. Circle the greater number: 36 square feet or 40 square feet

6. If a garden requires 3 bags of soil for every 5 square feet and the garden is 30 square feet, how many bags of soil does she need?

\_\_\_\_\_

7. Find the perimeter of a rectangular garden that is 7 feet long and 5 feet wide. Perimeter = \_\_\_\_

8. The area of a garden can be calculated by multiplying its length and width. True or False?

True  False

9. What number comes next? 2, 4, 6, \_\_\_\_

10. Tom has a rectangular garden plot that measures 10 feet by 4 feet. If he adds a fence around it, what is the total length of the fence needed?

\_\_\_\_\_

11. If one bag of fertilizer covers 100 square feet, how many bags are needed for a 250 square foot garden? Bags = \_\_\_\_

12. A gardener needs 2 liters of water for every square meter of garden. If the garden is 15 square meters, how many liters of water are needed?

\_\_\_\_\_

13. Circle the greater number: 50 square meters or 45 square meters

14. If you have 3 rows of plants with 4 plants in each row, how many plants do you have in total?

\_\_\_\_\_

15. If a plot of land is 2.5 meters wide and 6 meters long, what is the area in square meters? Area = \_\_\_\_\_

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**Answer Key**

1. 24   2. 5   3. 24   4. 144   5. 40   6. 18   7. 24   8. True   9. 8   10. 28   11. 3   12. 30   13. 50   14. 12   15. 15