

# Garden Arrays: Growing Food in Rows

Grade 2

Math

Nonfiction

Gardening Theme

~134 words

CCSS.MATH.2.OA.C.4

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

**READ — READ THIS PASSAGE CAREFULLY. YOU MAY READ IT TWICE.**

Mrs. Chen plants a beautiful vegetable garden every spring. She arranges her plants in arrays to save space and help them grow well. An array is a group of objects placed in rows and columns. In Mrs. Chen's garden, she plants tomatoes in 3 rows with 4 plants in each row. That makes 12 tomato plants total. Her lettuce grows in 4 rows with 5 plants in each row, which equals 20 plants. Mrs. Chen also arranges her carrots in 5 rows with 3 plants in each row for 15 carrots. Using arrays helps Mrs. Chen organize her garden neatly. The plants get equal sunlight and water this way. Arrays make her garden look pretty and organized. Farmers and home gardeners use arrays every day. This simple math idea helps grow healthy, delicious vegetables.

*Tip: Read the passage twice before turning to the questions on the next page.*

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Questions

⇒ **ANSWER** USE THE PASSAGE ON PAGE 1 TO HELP FIND YOUR ANSWERS.

## MAIN IDEA

**1. What is this passage mostly about?**

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## TEXT EVIDENCE

**2. How many tomato plants does Mrs. Chen have? Use the text to explain your answer.**

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## VOCABULARY

**3. What does the word "array" mean in this passage?**

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## INFERENCE

**4. Why do you think Mrs. Chen uses arrays to plant her garden instead of planting randomly?**

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## CAUSE AND EFFECT

**5. What happens because Mrs. Chen arranges her plants in arrays?**

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## TEXT EVIDENCE

**6. How many lettuce plants does Mrs. Chen grow in her garden? Show the math from the passage.**

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# ✓ ANSWER KEY — Garden Arrays: Growing Food in Rows

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TEACHER / PARENT USE ONLY — Suggested answers shown below each question

Mrs. Chen plants a beautiful vegetable garden every spring. She arranges her plants in arrays to save space and help them grow well. An array is a group of objects placed in rows and columns. In Mrs. Chen's garden, she plants tomatoes in 3 rows with 4 plants in each row. That makes 12 tomato plants total. Her lettuce grows in 4 rows with 5 plants in each row, which equals 20 plants. Mrs. Chen also arranges her carrots in 5 rows with 3 plants in each row for 15 carrots. Using arrays helps Mrs. Chen organize her garden neatly. The plants get equal sunlight and water this way. Arrays make her garden look pretty and organized. Farmers and home gardeners use arrays every day. This simple math idea helps grow healthy, delicious vegetables.

## MAIN IDEA

### 1. What is this passage mostly about?

The passage is mostly about how Mrs. Chen uses arrays to plant and organize vegetables in her garden.

## TEXT EVIDENCE

### 2. How many tomato plants does Mrs. Chen have? Use the text to explain your answer.

Mrs. Chen has 12 tomato plants because the text says she plants tomatoes in 3 rows with 4 plants in each row, which equals 12 plants total.

## VOCABULARY

### 3. What does the word "array" mean in this passage?

An array is a group of objects placed in rows and columns in an organized way.

## INFERENCE

### 4. Why do you think Mrs. Chen uses arrays to plant her garden instead of planting randomly?

Using arrays helps organize the garden so plants get equal sunlight and water, and it makes the garden look neat and pretty.

## CAUSE AND EFFECT

### 5. What happens because Mrs. Chen arranges her plants in arrays?

Because she uses arrays, the plants get equal sunlight and water, and her garden looks organized and helps her grow healthy vegetables.

## TEXT EVIDENCE

### 6. How many lettuce plants does Mrs. Chen grow in her garden? Show the math from the passage.

Mrs. Chen grows 20 lettuce plants because she plants them in 4 rows with 5 plants in each row, and 4 times 5 equals 20.