

Garden Scale Match

Compare matching quantities in two pollinator garden systems.

3.5.C “use scale, proportion, and quantity to describe, compare, or model different systems;”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each number that tells a size or amount. Circle each garden label near those numbers so you can compare matching quantities.

Two Pollinator Gardens

- ① At Greenview School, students planned two pollinator garden systems. Each system has soil, water, sunlight, flowering plants, and insects. Garden A is a small rectangle 2 meters long and 1 meter wide. Garden B is 4 meters long and 2 meters wide. The matching shapes let students compare the systems at different scales with care.
- ② The students chose plant counts so the plant mixture stays alike in both gardens. The table lists the planned plants. Both gardens use the same kinds of plants, so bees can find similar food in each system. Students can compare each plant quantity to see whether the garden systems keep a matching pattern.

PLANNED PLANTS

Plant	Garden A	Garden B
Marigolds	3	6
Basil	2	4
Zinnias	4	8

- ③ Garden B has longer sides and more plants. To describe its scale, students compare matching measures, such as length to length or one plant type to the same plant type. A fair comparison uses the same unit and type of quantity. These comparisons show whether the two garden systems have parts that match in proportion.

2

ANSWER WITH EVIDENCE

Use the passage

1 Garden B is how many times as long as Garden A?

2 How many more basil plants are planned for Garden B than for Garden A?

3 Add the plant counts in the table. How many total plants are planned for each garden?

4 For any one kind of plant, write the proportion of Garden A plants to Garden B plants.

3

YOUR TURN

Your own words

Plan Garden C. Make it 6 meters long and 3 meters wide, with the same proportions as Garden A. Fill in the table with Garden C's measurements and plant counts.

ITEM	GARDEN C AMOUNT

PART 1 • READ AND MARK

Underline each number that tells a size or amount. Circle each garden label near those numbers so you can compare matching quantities. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Garden B is how many times as long as Garden A?	Garden B is 2 times as long as Garden A.
2	How many more basil plants are planned for Garden B than for Garden A?	2 more basil plants.
3	Add the plant counts in the table. How many total plants are planned for each garden?	Garden A has 9 plants. Garden B has 18 plants.
4	For any one kind of plant, write the proportion of Garden A plants to Garden B plants.	1 to 2.

PART 3 • YOUR TURN (SAMPLE ANSWER)

ITEM	GARDEN C AMOUNT
Length	6 meters
Width	3 meters
Marigolds	9
Basil	6
Zinnias	12

Accept equivalent wording for comparisons and proportions. Garden C should have measurements and plant counts that are three times Garden A's matching quantities.