

Spring Garden Ratios and Proportions

Grade 6

math

spring

Students will understand and use ratios to compare quantities in spring contexts

Name: _____

Date: _____

1. During spring planting, Maya plants 3 tulips for every 2 daffodils. Write the ratio of tulips to daffodils.

2. In spring, a garden has 4 red flowers and 6 yellow flowers. Express the ratio of red to yellow flowers.

3. A spring garden has a ratio of 5 butterflies to 2 bees. If there are 10 butterflies, how many bees are there?
Show: $5:2 = 10:?$

4. Spring seeds come in packs. The ratio of sunflower to daisy seeds is $3:4$. If there are 12 sunflower seeds, how many daisy seeds? Calculate: $3:4 = 12:?$

5. During spring, a flower shop makes bouquets with 6 tulips and 9 roses per bouquet. Simplify the ratio $6:9$.
What is the simplified ratio?

6. A spring garden rainwater collection uses a ratio of 2 parts soil to 5 parts compost. If a gardener uses 8 parts soil, how much compost is needed? Calculate: $2:5 = 8:?$

7. Spring flowers bloom at a ratio of 3 flowers per plant. If a garden has 15 plants, how many flowers bloom? Use proportion: $3:1 = ?:15$

8. A spring vegetable garden plants carrots and lettuce in ratio $4:7$. Total plants = 132. How many are carrots?
Find: $4:7$, then $4/(4+7) \times 132 = ?$

Answer Key: Spring Garden Ratios and Proportions

Grade 6 | TEACHER/PARENT USE ONLY

Have students draw ratio diagrams or use manipulatives to visualize spring comparisons like flowers to pots or seeds planted.

1. During spring planting, Maya plants 3 tulips for every 2 daffodils. Write the ratio of tulips to daffodils.
Answer: 3:2

2. In spring, a garden has 4 red flowers and 6 yellow flowers. Express the ratio of red to yellow flowers.
Answer: 4:6 or 2:3

3. A spring garden has a ratio of 5 butterflies to 2 bees. If there are 10 butterflies, how many bees are there? Show: $5:2 = 10:?$
Answer: 4 bees

4. Spring seeds come in packs. The ratio of sunflower to daisy seeds is 3:4. If there are 12 sunflower seeds, how many daisy seeds? Calculate: $3:4 = 12:?$
Answer: 16 daisy seeds

5. During spring, a flower shop makes bouquets with 6 tulips and 9 roses per bouquet. Simplify the ratio 6:9. What is the simplified ratio?
Answer: 2:3

6. A spring garden rainwater collection uses a ratio of 2 parts soil to 5 parts compost. If a gardener uses 8 parts soil, how much compost is needed? Calculate: $2:5 = 8:?$
Answer: 20 parts compost

7. Spring flowers bloom at a ratio of 3 flowers per plant. If a garden has 15 plants, how many flowers bloom? Use proportion: $3:1 = ?:15$
Answer: 45 flowers

8. A spring vegetable garden plants carrots and lettuce in ratio 4:7. Total plants = 132. How many are carrots? Find: $4:7$, then $4/(4+7) \times 132 = ?$
Answer: 48 carrots