How Many in One Group?

Fractions • Answer Key

ANSWER KEY • Amplify Alignment: Grade 6 Accelerated, Unit 3, Lesson 2

Problems 1–4: Maria is planting tomato seedlings in garden beds. Determine how many seedlings fill 1 whole bed. Draw a diagram if it helps with your thinking.

1. 12 seedlings fill $\frac{1}{2}$ of a bed. **24**

2. 10 seedlings fill $\frac{2}{3}$ of a bed. **15**

3. 4 seedlings fill $\frac{1}{5}$ of a bed. **20**

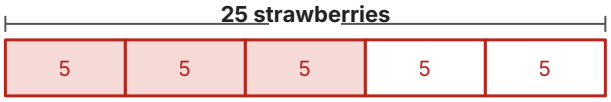
4. 9 seedlings fill $\frac{3}{4}$ of a bed. **12**

5. Describe a situation that the expression $8 \div \frac{2}{3}$ could represent. Then find its value.

Sample: 8 cups of water fill $\frac{2}{3}$ of a pitcher. How many cups fill the whole pitcher? $8 \div \frac{2}{3} = 12$.

Problems 6–7: Kenji picks 15 strawberries. They fill $\frac{3}{5}$ of a bowl.

6. Label the tape diagram to represent Kenji's situation.



The 3 shaded parts together are 15 strawberries, so each part is 5.

7. How many strawberries fill 1 whole bowl? **25 strawberries**

8. **Sam uses 6 gallons of paint to paint $\frac{3}{4}$ of a fence. How many gallons does he need to paint the whole fence?**

$6 \div \frac{3}{4} = 8$ gallons (each fourth uses 2 gallons, and $4 \times 2 = 8$)

9. **28 flowers fill 4 window boxes. How many flowers fill 1 window box?**

$28 \div 4 = 7$ flowers

10. **20 apples fill $\frac{2}{5}$ of a crate. Select all the equations that could be used to find how many apples fill 1 crate.**

- ☑ **A.** $20 \div \frac{2}{5} = ?$
- ☑ **B.** $\frac{2}{5} \cdot ? = 20$
- ☐ **C.** $20 \cdot \frac{2}{5} = ?$
- ☐ **D.** $\frac{2}{5} \div 20 = ?$

How many apples fill 1 crate? **50**

11. **Ella says, "If 6 cups of flour fill $\frac{1}{3}$ of a canister, then the canister holds 2 cups." Do you agree? Explain your thinking.**

No. 6 cups is only $\frac{1}{3}$ of the canister, so the whole canister holds 3 times as much: $6 \div \frac{1}{3} = 18$ cups. Ella divided by 3 instead of multiplying.