

Grade 7 Ratios & Proportions Word Problems

Ratios & Proportions • Grade 7 • Word Problems • Set C

Name: _____

Date: _____

Read each problem carefully. Show your work, then write your answer on the line.

1. A paint mix is 9 parts blue to 6 parts white. How many parts blue are needed for 30 parts white?

2. A grocery store sells 6 pears for \$1.80. At this rate, how much would 13 pears cost?

3. A recipe uses $\frac{1}{2}$ cup of flour for $\frac{1}{3}$ of a batch. What is the unit rate in cups per batch?

4. A paint mix is 7 parts blue to 6 parts white. How many parts blue are needed for 42 parts white?

5. A faucet leaks at a rate of 3 gallons every 3 hours. How many gallons will leak in 9 hours?

6. $\frac{2}{3}$ of a can of paint covers $\frac{1}{2}$ of a wall. What is the unit rate in walls per can?

7. A recipe uses 2 cups of flour for every 8 cups of sugar. Omar uses 4 cups of flour. How much sugar is needed?

8. A car travels 330 miles in 6 hours at a constant speed. How many miles does the car travel per hour?

9. A machine finishes $\frac{3}{5}$ of a part in $\frac{3}{4}$ hour. What is the unit rate in parts per hour?

10. A recipe uses 6 cups of flour for every 4 cups of sugar. Grace uses 12 cups of flour. How much sugar is needed?

Answer Key

Grade 7 Ratios & Proportions Word Problems — Set C

- | | | |
|----------------------------------|---------------------------------|--------------------------------|
| 1. 45 parts | 5. 9 gallons | 9. $\frac{4}{5}$ part per hour |
| 2. \$3.90 | 6. $1\frac{1}{3}$ walls per can | 10. 8 cups |
| 3. $1\frac{1}{2}$ cups per batch | 7. 16 cups | |
| 4. 49 parts | 8. 55 miles per hour | |