

Grade 8 Ratios & Proportions Word Problems

Ratios & Proportions • Grade 8 • Word Problems • Set A

Name: _____

Date: _____

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

1. Yara drives 450 miles in 5 hours. At that rate, how far does Yara drive in 7 hours?

2. A factory produces 560 toy cars in 8 hours. How many toy cars does it produce per hour?

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

4. A recipe uses 7 cups of flour for every 3 cups of sugar. Quinn uses 35 cups of flour. How much sugar is needed?

5. A faucet leaks at a rate of 5 gallons every 6 hours. How many gallons will leak in 24 hours?

6. A machine finishes $\frac{2}{5}$ of a part in $\frac{1}{3}$ hour. What is the unit rate in parts per hour?

7. A recipe uses 6 cups of flour for every 3 cups of sugar. Omar uses 18 cups of flour. How much sugar is needed?

8. A class has 18 girls and 12 boys. Write the ratio of girls to boys in simplest form.

9. $\frac{3}{5}$ of a can of paint covers $\frac{2}{3}$ of a wall. What is the unit rate in walls per can?

10. Maya drives 210 miles in 7 hours. At that rate, how far does Maya drive in 9 hours?

Answer Key

Grade 8 Ratios & Proportions Word Problems — Set A

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|-------------------------|----------------------------------|--------------------------------|
| 1. 630 miles | 5. 20 gallons | 9. $\frac{9}{10}$ wall per can |
| 2. 70 toy cars per hour | 6. $1\frac{1}{5}$ parts per hour | 10. 270 miles |
| 3. 1 cup per batch | 7. 9 cups | |
| 4. 15 cups | 8. 3:2 | |