

Grade 7 Fractions Word Problems

Fractions • Grade 7 • Word Problems • Set B

Name: _____

Date: _____

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

1. Tessa runs $\frac{8}{12}$ mile in $\frac{2}{4}$ hour. What is the speed in miles per hour?

2. A hose delivers $\frac{1}{4}$ gallon in $\frac{1}{2}$ minute. What is the unit rate in gallons per minute?

3. Victor runs $\frac{1}{12}$ mile in $\frac{1}{4}$ hour. What is the speed in miles per hour?

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

5. Hana runs $\frac{1}{10}$ mile in $\frac{2}{3}$ hour. What is the speed in miles per hour?

6. A recipe uses $\frac{3}{4}$ cup of flour for $\frac{1}{4}$ of a batch. What is the unit rate in cups per batch?

7. Sam runs $\frac{4}{8}$ mile in $\frac{1}{4}$ hour. What is the speed in miles per hour?

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

9. Noah runs $\frac{1}{10}$ mile in $\frac{1}{3}$ hour. What is the speed in miles per hour?

10. A cyclist rides $\frac{1}{2}$ mile in $\frac{1}{2}$ hour. What is the unit rate in miles per hour?

Answer Key

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|------------------------------------|----------------------------------|----------------------------------|
| 1. $1 \frac{1}{3}$ miles per hour | 5. $\frac{3}{20}$ miles per hour | 9. $\frac{3}{10}$ miles per hour |
| 2. $\frac{1}{2}$ gallon per minute | 6. 3 cups per batch | 10. 1 mile per hour |
| 3. $\frac{1}{3}$ miles per hour | 7. 2 miles per hour | |
| 4. $\frac{4}{5}$ part per hour | 8. 1 wall per can | |