

Writing Unit Rates

To find the unit rate of a ratio, simplify the fraction. The denominator must be 1.

Find the unit rate for each problem.

1. 85 miles on 5 gallons

$$\frac{85}{5} \div \frac{5}{5} = \frac{17}{1} \quad \leftarrow \text{a denominator of one}$$

Unit rate: 17 miles per gallon

5. 63 ounces in 9 cups

$$\frac{\square}{\square} = \frac{\square}{1}$$

Unit rate: _____ ounces per cup

2. 165 miles in 3 hours

$$\frac{165}{3} \div \frac{3}{3} = \frac{\square}{1}$$

Unit rate: _____ miles per hour

6. \$21 for 3 tickets

$$\frac{\square}{\square} = \frac{\square}{1}$$

Unit rate: _____ per ticket

3. 64 ounces in 4 cans

$$\frac{64}{4} = \frac{\square}{1}$$

Unit rate: _____ ounces per can

7. 360 miles in 8 hours

$$\frac{\square}{\square} = \frac{\square}{1}$$

Unit rate: _____ miles per hour

4. 56 apples in 7 boxes

$$\frac{\square}{\square} = \frac{\square}{1}$$

Unit rate: _____ apples per box

8. 120 miles on 5 gallons

$$\frac{\square}{\square} = \frac{\square}{1}$$

Unit rate: _____ miles per gallon