

Lesson 3-2 -> Complex Fractions and Unit Rates

Review

$$\frac{\text{miles}}{\text{hour}} \quad \frac{36}{3} = \frac{\quad}{1} \quad 36 \times 1 \div 3 = 12$$

The unit rate is 12 miles per hour

$$\frac{\text{miles}}{\text{hour}} \quad \frac{1\frac{2}{3}}{\frac{1}{6}} = \frac{\quad}{1}$$

Multiply! Add! Keep the bottom!

$$1\frac{2}{3} = \frac{5}{3}$$

Annotations: "Add" with an arrow pointing to the 2/3 part, "Multiply" with an arrow pointing to the 1, and "Keep" with an arrow pointing to the 3 in the denominator.

$$\frac{\text{miles}}{\text{hour}} \quad \frac{1\frac{2}{3}}{\frac{1}{6}} = \frac{\quad}{1}$$

$$\frac{5}{3} \div \frac{1}{6}$$

Keep! change! Flip!

$$\frac{5}{3} \times \frac{6}{1} = \frac{30}{3} = 10 \text{ miles per hour}$$