Algebra 2 Workbook

Complex fractions

COMPLEX FRACTIONS

■ 1. Simplify the expression.

$$\frac{\frac{3}{5}}{\frac{2}{7}}$$

■ 2. Simplify the expression.

$$\frac{\frac{y}{x}}{z}$$

■ 3. Simplify the expression.

$$\frac{\frac{x}{b}}{n}$$

■ 4. Simplify the expression.

$$\frac{\frac{a}{m}}{n + \frac{1}{b}}$$

COMPLEX FRACTIONS, RATIO AND PROPORTION

■ 1. Solve for the variable.

$$\frac{\frac{3}{5}}{x} = \frac{\frac{1}{3}}{\frac{2}{7}}$$

■ 2. Solve for the variable.

$$\frac{x}{\frac{1}{2}} = \frac{\frac{3}{4}}{\frac{1}{4}}$$

■ 3. Solve for the variable.

$$\frac{\frac{4}{7}}{\frac{1}{6}} = \frac{y}{\frac{7}{2}}$$

■ 4. Solve for the variable.

$$\frac{\frac{1}{2}}{\frac{1}{3}} = \frac{\frac{1}{4}}{y}$$

■ 5. Solve for the variable.

$$\frac{a}{\frac{2}{5}} = \frac{\frac{3}{4}}{\frac{5}{7}}$$

■ 6. Solve for the variable.

$$\frac{\frac{x}{2}}{\frac{8}{3}} = \frac{\frac{3}{4}}{\frac{2}{5}}$$

■ 7. Solve for the variable.

$$\frac{\frac{1}{2}}{\frac{5}{7}} = \frac{\frac{3}{x}}{\frac{3}{2}}$$

■ 8. Solve for the variable.

$$\frac{\frac{3}{8}}{\frac{x}{2}} = \frac{\frac{1}{4}}{\frac{4}{5}}$$

■ 9. Solve for the variable.

$$\frac{\frac{4}{5}}{\frac{3}{2}} = \frac{\frac{6}{7}}{\frac{b}{8}}$$

■ 10. Solve for the variable.

$$\frac{\frac{2}{3}}{\frac{1}{c}} = \frac{\frac{4}{5}}{\frac{7}{6}}$$