

Simplifying Complex Fractions

Evaluate each expression.

$$1) 2 + \frac{\frac{2}{3}}{\left(-\frac{6}{5}\right)} \cdot (-2)$$

$$2) \frac{\left(-\frac{11}{6}\right) - \frac{7}{4}}{(-2) - 1}$$

$$3) \frac{\left(-\frac{4}{3}\right) - 2}{2 \cdot \left(-\frac{2}{5}\right)}$$

$$4) \left(-\frac{5}{6}\right) + \frac{2}{\frac{1}{3} - \frac{4}{5}}$$

$$5) \frac{\left(\frac{11}{6}\right)^2 - 2}{\left(-\frac{1}{2}\right)}$$

$$6) \frac{\left(-\frac{8}{5}\right) - \left(-\frac{5}{3}\right) \cdot \frac{11}{6}}{\left(-\frac{3}{2}\right)}$$

$$7) \left(-\frac{3}{2}\right) + \frac{\left(-\frac{5}{4}\right) + \frac{1}{4}}{\frac{1}{2}}$$

$$8) -\frac{5}{\frac{2}{5} + \frac{7}{4} \cdot 2}$$

$$9) \frac{\frac{2}{3} - \frac{5}{3}}{\left(-\frac{1}{3}\right) - \left(-\frac{9}{5}\right)} - \frac{3}{2}$$

$$10) \left(-\frac{4}{3}\right) - \frac{\frac{7}{5}}{\frac{1}{2} - (-1)} \cdot (-1)$$

$$11) \left(-\frac{3}{2}\right) \cdot \frac{\left(-\frac{3}{5}\right) - 5}{(-1) - \left(-\frac{1}{2}\right)}$$

$$12) \frac{\frac{4}{3} \cdot (-1)}{\left(\left(-\frac{1}{6}\right) - 1\right)^2}$$

Answers to Simplifying Complex Fractions

$$1) \frac{28}{9}$$

$$2) \frac{43}{36}$$

$$3) \frac{25}{6}$$

$$4) -\frac{215}{42}$$

$$5) -\frac{49}{18}$$

$$6) -\frac{131}{135}$$

$$7) -\frac{7}{2}$$

$$8) -\frac{50}{39}$$

$$9) -\frac{24}{11}$$

$$10) -\frac{2}{5}$$

$$11) -\frac{84}{5}$$

$$12) -\frac{48}{49}$$