

# Order of Operations with Fractions

Simplify using PEMDAS.

$$[1] \quad \frac{3}{4} - \frac{1}{6} \div \left(\frac{4}{5}\right)^2$$

$$[2] \quad \left(\frac{5}{6}\right)^2 \times \left(\frac{1}{4} + \frac{7}{8}\right)$$

$$[3] \quad \frac{4}{9} + \frac{4}{5} \div \left(\frac{3}{5}\right)^2$$

$$[4] \quad \frac{8}{9} \times \left[\frac{2}{9} + \left(\frac{1}{2}\right)^2\right]$$

$$[5] \quad \left(\frac{5}{8}\right)^2 \div \left(\frac{2}{3} - \frac{1}{6}\right)$$

$$[6] \quad \left(\frac{1}{6} + \frac{1}{2}\right) \times \left(\frac{2}{3}\right)^3$$

$$[7] \quad \left(\frac{2}{3} + \frac{7}{8}\right) \times \left(\frac{1}{2}\right)^2$$

$$[8] \quad \left(\frac{5}{6} - \frac{1}{6}\right)^3 \div \frac{1}{4}$$

# Order of Operations with Fractions

## Answers

$$[1] \quad \frac{3}{4} - \frac{1}{6} \div \left(\frac{4}{5}\right)^2$$

$$\frac{47}{96}$$

$$[2] \quad \left(\frac{5}{6}\right)^2 \times \left(\frac{1}{4} + \frac{7}{8}\right)$$

$$\frac{25}{32}$$

$$[3] \quad \frac{4}{9} + \frac{4}{5} \div \left(\frac{3}{5}\right)^2$$

$$[4] \quad \frac{8}{9} \times \left[\frac{2}{9} + \left(\frac{1}{2}\right)^2\right]$$

$$2\frac{2}{3}$$

$$[5] \quad \left(\frac{5}{8}\right)^2 \div \left(\frac{2}{3} - \frac{1}{6}\right)$$

$$\frac{34}{81}$$

$$[6] \quad \left(\frac{1}{6} + \frac{1}{2}\right) \times \left(\frac{2}{3}\right)^3$$

$$\frac{25}{32}$$

$$[7] \quad \left(\frac{2}{3} + \frac{7}{8}\right) \times \left(\frac{1}{2}\right)^2$$

$$\frac{16}{81}$$

$$[8] \quad \left(\frac{5}{6} - \frac{1}{6}\right)^3 \div \frac{1}{4}$$

$$\frac{37}{96}$$

$$1\frac{5}{27}$$