



# Simplifying Fraction Exponent Expressions (Division)

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

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

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

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

$$\left(\frac{1}{2}\right)^6 \cdot \left(\frac{1}{2}\right)^{-9} \cdot \left(\frac{1}{2}\right)^9$$

$$\frac{\left(\frac{1}{5}\right)^3 \cdot \left(\frac{1}{5}\right)^{-5} \cdot \left(\frac{1}{5}\right)^6 \cdot \left(\frac{1}{5}\right)^{-9}}{\left(\frac{1}{5}\right)^{-2} \cdot \left(\frac{1}{5}\right)^{-5}}$$

$$\left(\frac{2}{5}\right)^{10} \cdot \left(\frac{2}{5}\right)^{-9} \cdot \left(\frac{2}{5}\right)$$

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

$$\left(\frac{1}{7}\right)^{-7} \cdot \left(\frac{1}{7}\right)^2 \cdot \left(\frac{1}{7}\right)^{-8}$$

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

$$\frac{\left(\frac{4}{5}\right)^{-2} \cdot \left(\frac{4}{5}\right)^{-4} \cdot \left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^7}{\left(\frac{4}{5}\right) \cdot \left(\frac{4}{5}\right)^{-4}}$$

$$\left(\frac{4}{9}\right)^3 \cdot \left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^{-10}$$

$$\frac{\left(\frac{4}{9}\right)^{11} \cdot \left(\frac{4}{9}\right)^{-3} \cdot \left(\frac{4}{9}\right)^{-6} \cdot \left(\frac{4}{9}\right)^3}{\left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^{-2}}$$

$$\frac{\left(\frac{1}{7}\right)^{-5} \cdot \left(\frac{1}{7}\right)^{-5} \cdot \left(\frac{1}{7}\right)^{-3}}{\left(\frac{1}{7}\right)^{-8}}$$

$$\left(\frac{3}{5}\right) \cdot \left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^8$$

$$\frac{\left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^{-6}}{\left(\frac{1}{2}\right)^{-2} \cdot \left(\frac{1}{2}\right)^{10}}$$