



Simplifying Fraction Exponent Expressions
(Division)

Name: _____

Date: _____ Score: _____

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

$$\frac{\left(\frac{1}{9}\right)^{-8} \cdot \left(\frac{1}{9}\right)^{-8} \cdot \left(\frac{1}{9}\right)^9}{\left(\frac{1}{9}\right)^{-5}}$$

$$\frac{\left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right)^8 \cdot \left(\frac{1}{2}\right)^{-9}}{\left(\frac{1}{2}\right)^{-1}}$$

$$\frac{\left(\frac{1}{6}\right)^{-10} \cdot \left(\frac{1}{6}\right)^5 \cdot \left(\frac{1}{6}\right)^9 \cdot \left(\frac{1}{6}\right)^5}{\left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^6}$$

$$\frac{\left(\frac{1}{7}\right)^{-6} \cdot \left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^{-7}}{\left(\frac{1}{7}\right)^3}$$

$$\frac{\left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right)^9}{\left(\frac{1}{2}\right)^9}$$

$$\frac{\left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^5 \cdot \left(\frac{1}{2}\right)^{-1}}{\left(\frac{1}{2}\right)^{-1} \cdot \left(\frac{1}{2}\right)^5}$$

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

$$\frac{\left(\frac{2}{5}\right)^{-5} \cdot \left(\frac{2}{5}\right)^6 \cdot \left(\frac{2}{5}\right)^9 \cdot \left(\frac{2}{5}\right)^5}{\left(\frac{2}{5}\right)^{-6} \cdot \left(\frac{2}{5}\right)^{11}}$$

$$\left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^{-5} \cdot \left(\frac{1}{8}\right)^{-2}$$

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

$$\frac{\left(\frac{3}{7}\right)^{11} \cdot \left(\frac{3}{7}\right)^6 \cdot \left(\frac{3}{7}\right)^4}{\left(\frac{3}{7}\right)^{-1}}$$

$$\left(\frac{2}{7}\right)^{-1} \cdot \left(\frac{2}{7}\right)^9 \cdot \left(\frac{2}{7}\right)^{11}$$

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

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