



Simplifying Fraction Exponent Expressions (Division)

Name: _____

Date: _____ Score: _____

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

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

$$\left(\frac{1}{7}\right)^{-6} \cdot \left(\frac{1}{7}\right)^{-7} \cdot \left(\frac{1}{7}\right)^5$$

$$\frac{\left(\frac{2}{5}\right)^9 \cdot \left(\frac{2}{5}\right)^{-10} \cdot \left(\frac{2}{5}\right)^5 \cdot \left(\frac{2}{5}\right)^{-3}}{\left(\frac{2}{5}\right)^9 \cdot \left(\frac{2}{5}\right)^{-10}}$$

$$\frac{\left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)}{\left(\frac{1}{8}\right)^{-4} \cdot \left(\frac{1}{8}\right)^{11}}$$

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

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

$$\frac{\left(\frac{1}{6}\right)^{-2} \cdot \left(\frac{1}{6}\right)^9 \cdot \left(\frac{1}{6}\right)^{-9}}{\left(\frac{1}{6}\right)^4}$$

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

$$\frac{\left(\frac{1}{7}\right)^2 \cdot \left(\frac{1}{7}\right)^{10} \cdot \left(\frac{1}{7}\right)^{-9}}{\left(\frac{1}{7}\right)^{11}}$$

$$\frac{\left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^5 \cdot \left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^{-3}}{\left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^2}$$

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

$$\left(\frac{2}{3}\right) \cdot \left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^{-8}$$

$$\frac{\left(\frac{1}{4}\right)^4 \cdot \left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^7}{\left(\frac{1}{4}\right)^{-5}}$$

$$\frac{\left(\frac{4}{7}\right)^6 \cdot \left(\frac{4}{7}\right)^9 \cdot \left(\frac{4}{7}\right)^{-7} \cdot \left(\frac{4}{7}\right)^{-3}}{\left(\frac{4}{7}\right)^{-4} \cdot \left(\frac{4}{7}\right)^{-2}}$$