



Simplifying Fraction Exponent Expressions (Multiplication)

Name: _____

Date: _____ Score: _____

$$\left(\frac{4}{5}\right)^2 \cdot \left(\frac{4}{5}\right)^{-6}$$

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

$$\left(\frac{4}{5}\right)^{-7} \cdot \left(\frac{4}{5}\right)^{-6}$$

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

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

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

$$\left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^8 \cdot \left(\frac{1}{2}\right)^{-10}$$

$$\left(\frac{2}{7}\right)^{-6} \cdot \left(\frac{2}{7}\right)^5 \cdot \left(\frac{2}{7}\right)^{-8}$$

$$\left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^{-10} \cdot \left(\frac{1}{6}\right)^{11}$$

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

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

$$\left(\frac{4}{7}\right)^9 \cdot \left(\frac{4}{7}\right)^{-4} \cdot \left(\frac{4}{7}\right)^{-10} \cdot \left(\frac{4}{7}\right)^{-2}$$

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

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

$$\left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^8$$