



Simplifying Fraction Exponent Expressions (Division)

Name: _____

Date: _____ Score: _____

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

$$\left(\frac{3}{7}\right)^{10} \cdot \left(\frac{3}{7}\right)^7 \cdot \left(\frac{3}{7}\right)^6$$

$$\left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^6 \cdot \left(\frac{1}{2}\right)^3$$

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

$$\frac{\left(\frac{4}{9}\right)^6 \cdot \left(\frac{4}{9}\right)^{-4} \cdot \left(\frac{4}{9}\right)^2 \cdot \left(\frac{4}{9}\right)^3}{\left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^{-1}}$$

$$\frac{\left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^{-10} \cdot \left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^4}{\left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^2}$$

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

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

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

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

$$\frac{\left(\frac{1}{2}\right)^{-4} \cdot \left(\frac{1}{2}\right)^3 \cdot \left(\frac{1}{2}\right)^6}{\left(\frac{1}{2}\right)^6}$$

$$\frac{\left(\frac{1}{9}\right)^7 \cdot \left(\frac{1}{9}\right)^{10} \cdot \left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right)^{-7}}{\left(\frac{1}{9}\right)^2 \cdot \left(\frac{1}{9}\right)}$$

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

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

$$\frac{\left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^{-9} \cdot \left(\frac{2}{3}\right)^{-2} \cdot \left(\frac{2}{3}\right)^{-8}}{\left(\frac{2}{3}\right)^{-2} \cdot \left(\frac{2}{3}\right)^{-6}}$$