



## Simplifying Fraction Exponent Expressions (Multiplication)

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

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

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

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

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

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

$$\left(\frac{1}{4}\right)^{-8} \cdot \left(\frac{1}{4}\right)^{-6} \cdot \left(\frac{1}{4}\right)^{-5}$$

$$\left(\frac{1}{6}\right)^{-2} \cdot \left(\frac{1}{6}\right)^{11} \cdot \left(\frac{1}{6}\right)^{-10} \cdot \left(\frac{1}{6}\right)^{-2}$$

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

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

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

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

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

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

$$\left(\frac{2}{5}\right)^{-4} \cdot \left(\frac{2}{5}\right)^6 \cdot \left(\frac{2}{5}\right)^{-6} \cdot \left(\frac{2}{5}\right)^{11}$$

$$\left(\frac{4}{5}\right)^{-7} \cdot \left(\frac{4}{5}\right)^{10} \cdot \left(\frac{4}{5}\right)^{-4}$$

$$\left(\frac{1}{8}\right)^7 \cdot \left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^{-5}$$