



## Simplifying Fraction Exponent Expressions (Multiplication)

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

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

$$\left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{-4}$$

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

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

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

$$\left(\frac{1}{6}\right)^7 \cdot \left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^{-1} \cdot \left(\frac{1}{6}\right)^8$$

$$\left(\frac{4}{9}\right)^{-9} \cdot \left(\frac{4}{9}\right)^{-2} \cdot \left(\frac{4}{9}\right)^8 \cdot \left(\frac{4}{9}\right)^{-1}$$

$$\left(\frac{1}{8}\right) \cdot \left(\frac{1}{8}\right)^{-3} \cdot \left(\frac{1}{8}\right)^5 \cdot \left(\frac{1}{8}\right)^{-5}$$

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

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

$$\left(\frac{1}{7}\right)^{10} \cdot \left(\frac{1}{7}\right)^6 \cdot \left(\frac{1}{7}\right)^{-9} \cdot \left(\frac{1}{7}\right)^3$$

$$\left(\frac{3}{8}\right)^6 \cdot \left(\frac{3}{8}\right)^3$$

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

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

$$\left(\frac{1}{7}\right)^{-6} \cdot \left(\frac{1}{7}\right)^3 \cdot \left(\frac{1}{7}\right)^{-10}$$

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



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$$\left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{-4}$$

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

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

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

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

$$\left(\frac{1}{6}\right)^{-19}$$

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

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

$$\left(\frac{1}{6}\right)^7 \cdot \left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^{-1} \cdot \left(\frac{1}{6}\right)^8$$

$$\left(\frac{1}{6}\right)^9$$

$$\left(\frac{4}{9}\right)^{-9} \cdot \left(\frac{4}{9}\right)^{-2} \cdot \left(\frac{4}{9}\right)^8 \cdot \left(\frac{4}{9}\right)^{-1}$$

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

$$\left(\frac{1}{8}\right) \cdot \left(\frac{1}{8}\right)^{-3} \cdot \left(\frac{1}{8}\right)^5 \cdot \left(\frac{1}{8}\right)^{-5}$$

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

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

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

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

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

$$\left(\frac{1}{7}\right)^{10} \cdot \left(\frac{1}{7}\right)^6 \cdot \left(\frac{1}{7}\right)^{-9} \cdot \left(\frac{1}{7}\right)^3$$

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

$$\left(\frac{3}{8}\right)^6 \cdot \left(\frac{3}{8}\right)^3$$

$$\left(\frac{3}{8}\right)^9$$

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

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

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

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

$$\left(\frac{1}{7}\right)^{-6} \cdot \left(\frac{1}{7}\right)^3 \cdot \left(\frac{1}{7}\right)^{-10}$$

$$\left(\frac{1}{7}\right)^{-13}$$

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

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