



Simplifying Fraction Exponent Expressions (Multiplication)

Name: _____

Date: _____ Score: _____

$$\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^3 \cdot \left(\frac{4}{5}\right)^{-7}$$

$$\left(\frac{2}{5}\right)^{-8} \cdot \left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^{-9}$$

$$\left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^{-5} \cdot \left(\frac{4}{5}\right)^9 \cdot \left(\frac{4}{5}\right)^7$$

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

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

$$\left(\frac{1}{4}\right)^3 \cdot \left(\frac{1}{4}\right)^{-8} \cdot \left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^5$$

$$\left(\frac{2}{5}\right)^{-8} \cdot \left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^{-9} \cdot \left(\frac{2}{5}\right)^8$$

$$\left(\frac{3}{7}\right)^{-8} \cdot \left(\frac{3}{7}\right)^2 \cdot \left(\frac{3}{7}\right)^{-2}$$

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

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

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

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

$$\left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^{-1} \cdot \left(\frac{1}{6}\right)^5$$

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

$$\left(\frac{1}{8}\right)^{11} \cdot \left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right) \cdot \left(\frac{1}{8}\right)^2$$



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$$\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^3 \cdot \left(\frac{4}{5}\right)^{-7}$$
$$\left(\frac{4}{5}\right)^{-3}$$

$$\left(\frac{2}{5}\right)^{-8} \cdot \left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^{-9}$$
$$\left(\frac{2}{5}\right)^{-18}$$

$$\left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^{-5} \cdot \left(\frac{4}{5}\right)^9 \cdot \left(\frac{4}{5}\right)^7$$
$$\left(\frac{4}{5}\right)^{22}$$

$$\left(\frac{3}{5}\right)^{-6} \cdot \left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^{-2}$$
$$\left(\frac{3}{5}\right)^{-11}$$

$$\left(\frac{1}{2}\right)^{-5} \cdot \left(\frac{1}{2}\right)^{-4}$$
$$\left(\frac{1}{2}\right)^{-9}$$

$$\left(\frac{1}{4}\right)^3 \cdot \left(\frac{1}{4}\right)^{-8} \cdot \left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^5$$
$$\left(\frac{1}{4}\right)^{-5}$$

$$\left(\frac{2}{5}\right)^{-8} \cdot \left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^{-9} \cdot \left(\frac{2}{5}\right)^8$$
$$\left(\frac{2}{5}\right)^{-10}$$

$$\left(\frac{3}{7}\right)^{-8} \cdot \left(\frac{3}{7}\right)^2 \cdot \left(\frac{3}{7}\right)^{-2}$$
$$\left(\frac{3}{7}\right)^{-8}$$

$$\left(\frac{2}{9}\right)^9 \cdot \left(\frac{2}{9}\right)^{10}$$
$$\left(\frac{2}{9}\right)^{19}$$

$$\left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right) \cdot \left(\frac{1}{4}\right)^8$$
$$\left(\frac{1}{4}\right)^{18}$$

$$\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{10} \cdot \left(\frac{4}{5}\right)^8$$
$$\left(\frac{4}{5}\right)^{-2}$$

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

$$\left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^{-1} \cdot \left(\frac{1}{6}\right)^5$$
$$\left(\frac{1}{6}\right)^7$$

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

$$\left(\frac{1}{8}\right)^{11} \cdot \left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right) \cdot \left(\frac{1}{8}\right)^2$$
$$\left(\frac{1}{8}\right)^{18}$$