

## Simplifying Fraction Exponent Expressions (Multiplication)

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

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

$$\left(\frac{3}{8}\right)^{-7} \cdot \left(\frac{3}{8}\right)^{-9}$$

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

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

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

$$\left(\frac{1}{5}\right)^{-3} \cdot \left(\frac{1}{5}\right)^{-9}$$

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

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

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

$$\left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^{-4} \cdot \left(\frac{1}{5}\right)^9 \cdot \left(\frac{1}{5}\right)^{-2}$$

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

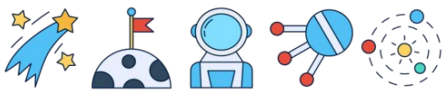
$$\left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^5 \cdot \left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^4$$

$$\left(\frac{4}{7}\right)^9 \cdot \left(\frac{4}{7}\right)^{-6} \cdot \left(\frac{4}{7}\right)^7 \cdot \left(\frac{4}{7}\right)^3$$

$$\left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^3 \cdot \left(\frac{1}{2}\right)^{-5}$$

$$\left(\frac{1}{6}\right)^4 \cdot \left(\frac{1}{6}\right)^{11} \cdot \left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^7$$

$$\left(\frac{3}{5}\right)^{-6} \cdot \left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^{10}$$



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$$\left(\frac{3}{8}\right)^{-7} \cdot \left(\frac{3}{8}\right)^{-9}$$
$$\left(\frac{3}{8}\right)^{-16}$$

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

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

$$\left(\frac{1}{2}\right)^{-7} \cdot \left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)$$
$$\left(\frac{1}{2}\right)^{-12}$$

$$\left(\frac{1}{5}\right)^{-3} \cdot \left(\frac{1}{5}\right)^{-9}$$
$$\left(\frac{1}{5}\right)^{-12}$$

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

$$\left(\frac{4}{5}\right)^{10} \cdot \left(\frac{4}{5}\right) \cdot \left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{-3}$$
$$\left(\frac{4}{5}\right)^{-2}$$

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

$$\left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^{-4} \cdot \left(\frac{1}{5}\right)^9 \cdot \left(\frac{1}{5}\right)^{-2}$$
$$\left(\frac{1}{5}\right)^{10}$$

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

$$\left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^5 \cdot \left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^4$$
$$\left(\frac{1}{8}\right)^{16}$$

$$\left(\frac{4}{7}\right)^9 \cdot \left(\frac{4}{7}\right)^{-6} \cdot \left(\frac{4}{7}\right)^7 \cdot \left(\frac{4}{7}\right)^3$$
$$\left(\frac{4}{7}\right)^{13}$$

$$\left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^3 \cdot \left(\frac{1}{2}\right)^{-5}$$
$$\left(\frac{1}{2}\right)^{-12}$$

$$\left(\frac{1}{6}\right)^4 \cdot \left(\frac{1}{6}\right)^{11} \cdot \left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^7$$
$$\left(\frac{1}{6}\right)^{17}$$

$$\left(\frac{3}{5}\right)^{-6} \cdot \left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^{10}$$
$$\left(\frac{3}{5}\right)$$