



Simplification des exposants de fractions
(multiplication)

Nom: _____

Date: _____ Note: _____

$$\left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^{10} \cdot \left(\frac{1}{8}\right)^{10}$$

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

$$\left(\frac{4}{7}\right)^{-5} \cdot \left(\frac{4}{7}\right)^2 \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{11}$$

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

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

$$\left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^{-2}$$

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

$$\left(\frac{3}{5}\right)^{-7} \cdot \left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^6 \cdot \left(\frac{3}{5}\right)^5$$

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

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

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

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

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

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

$$\left(\frac{1}{2}\right)^{-3} \cdot \left(\frac{1}{2}\right)^{-5} \cdot \left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^{-2}$$



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$$\left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^{10} \cdot \left(\frac{1}{8}\right)^{10}$$

$$\left(\frac{1}{8}\right)^{13}$$

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

$$\left(\frac{1}{7}\right)^{-11}$$

$$\left(\frac{4}{7}\right)^{-5} \cdot \left(\frac{4}{7}\right)^2 \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{11}$$

$$\left(\frac{4}{7}\right)^0$$

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

$$\left(\frac{2}{7}\right)^{-11}$$

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

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

$$\left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^{-2}$$

$$\left(\frac{1}{2}\right)^{-16}$$

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

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

$$\left(\frac{3}{5}\right)^{-7} \cdot \left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^6 \cdot \left(\frac{3}{5}\right)^5$$

$$\left(\frac{3}{5}\right)^{15}$$

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

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

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

$$\left(\frac{1}{4}\right)^{21}$$

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

$$\left(\frac{1}{9}\right)^{-24}$$

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

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

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

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

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

$$\left(\frac{3}{7}\right)^5$$

$$\left(\frac{1}{2}\right)^{-3} \cdot \left(\frac{1}{2}\right)^{-5} \cdot \left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^{-2}$$

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