



Simplificación de exponentes de fracciones
(multiplicación)

Nombre: _____

Fecha: _____ Puntuación: _____

$$\left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^5$$

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

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

$$\left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^7 \cdot \left(\frac{1}{3}\right)^{-8}$$

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

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

$$\left(\frac{2}{9}\right)^{-6} \cdot \left(\frac{2}{9}\right)^2 \cdot \left(\frac{2}{9}\right)^3 \cdot \left(\frac{2}{9}\right)^6$$

$$\left(\frac{3}{7}\right)^5 \cdot \left(\frac{3}{7}\right)^6 \cdot \left(\frac{3}{7}\right)^{-8} \cdot \left(\frac{3}{7}\right)^7$$

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

$$\left(\frac{3}{8}\right)^{-6} \cdot \left(\frac{3}{8}\right)^{-2}$$

$$\left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^{-4} \cdot \left(\frac{1}{2}\right)^{-7}$$

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

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

$$\left(\frac{3}{5}\right)^2 \cdot \left(\frac{3}{5}\right)^{-7} \cdot \left(\frac{3}{5}\right)^5 \cdot \left(\frac{3}{5}\right)^{11}$$

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



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$$\left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^5$$
$$\left(\frac{1}{2}\right)^{24}$$

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

$$\left(\frac{4}{5}\right)^4 \cdot \left(\frac{4}{5}\right)^{-8} \cdot \left(\frac{4}{5}\right)^7$$
$$\left(\frac{4}{5}\right)^3$$

$$\left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^7 \cdot \left(\frac{1}{3}\right)^{-8}$$
$$\left(\frac{1}{3}\right)^{21}$$

$$\left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^{-2} \cdot \left(\frac{1}{2}\right)^{-5} \cdot \left(\frac{1}{2}\right)^{-9}$$
$$\left(\frac{1}{2}\right)^{-26}$$

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

$$\left(\frac{2}{9}\right)^{-6} \cdot \left(\frac{2}{9}\right)^2 \cdot \left(\frac{2}{9}\right)^3 \cdot \left(\frac{2}{9}\right)^6$$
$$\left(\frac{2}{9}\right)^5$$

$$\left(\frac{3}{7}\right)^5 \cdot \left(\frac{3}{7}\right)^6 \cdot \left(\frac{3}{7}\right)^{-8} \cdot \left(\frac{3}{7}\right)^7$$
$$\left(\frac{3}{7}\right)^{10}$$

$$\left(\frac{1}{7}\right)^4 \cdot \left(\frac{1}{7}\right)^{-1} \cdot \left(\frac{1}{7}\right)^{-6} \cdot \left(\frac{1}{7}\right)^{-2}$$
$$\left(\frac{1}{7}\right)^{-5}$$

$$\left(\frac{3}{8}\right)^{-6} \cdot \left(\frac{3}{8}\right)^{-2}$$
$$\left(\frac{3}{8}\right)^{-8}$$

$$\left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^{-4} \cdot \left(\frac{1}{2}\right)^{-7}$$
$$\left(\frac{1}{2}\right)^{-19}$$

$$\left(\frac{1}{3}\right)^{-10} \cdot \left(\frac{1}{3}\right)^{-2} \cdot \left(\frac{1}{3}\right)^{-10}$$
$$\left(\frac{1}{3}\right)^{-22}$$

$$\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{-1}$$
$$\left(\frac{4}{5}\right)^{-11}$$

$$\left(\frac{3}{5}\right)^2 \cdot \left(\frac{3}{5}\right)^{-7} \cdot \left(\frac{3}{5}\right)^5 \cdot \left(\frac{3}{5}\right)^{11}$$
$$\left(\frac{3}{5}\right)^{11}$$

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