



Simplificación de exponentes de fracciones
(división)

Nombre: _____

Fecha: _____ Puntuación: _____

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

$$\left(\frac{1}{8}\right)^2 \cdot \left(\frac{1}{8}\right)^7 \cdot \left(\frac{1}{8}\right)^{-9}$$

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

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

$$\left(\frac{1}{5}\right)^6 \cdot \left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^9$$

$$\frac{\left(\frac{3}{5}\right)^{-2} \cdot \left(\frac{3}{5}\right)^{-6} \cdot \left(\frac{3}{5}\right)^{-7} \cdot \left(\frac{3}{5}\right)^4}{\left(\frac{3}{5}\right)^{-6} \cdot \left(\frac{3}{5}\right)^{-1}}$$

$$\left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^5$$

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

$$\frac{\left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^8 \cdot \left(\frac{1}{2}\right)^9}{\left(\frac{1}{2}\right)^{-4} \cdot \left(\frac{1}{2}\right)^2}$$

$$\frac{\left(\frac{2}{5}\right)^{-8} \cdot \left(\frac{2}{5}\right)^{-8} \cdot \left(\frac{2}{5}\right)^{-7}}{\left(\frac{2}{5}\right)^{10}}$$

$$\frac{\left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^{11} \cdot \left(\frac{2}{3}\right)^3 \cdot \left(\frac{2}{3}\right)^5}{\left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)}$$

$$\left(\frac{1}{8}\right)^{-6} \cdot \left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^2$$

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

$$\frac{\left(\frac{1}{8}\right)^5 \cdot \left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^{-6}}{\left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^6}$$

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



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

$$\frac{\left(\frac{1}{8}\right)^2 \cdot \left(\frac{1}{8}\right)^7 \cdot \left(\frac{1}{8}\right)^{-9}}{\left(\frac{1}{8}\right)^0}$$

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

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

$$\frac{\left(\frac{1}{5}\right)^6 \cdot \left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^9}{\left(\frac{1}{5}\right)^{22}}$$

$$\frac{\left(\frac{3}{5}\right)^{-2} \cdot \left(\frac{3}{5}\right)^{-6} \cdot \left(\frac{3}{5}\right)^{-7} \cdot \left(\frac{3}{5}\right)^4}{\left(\frac{3}{5}\right)^{-6} \cdot \left(\frac{3}{5}\right)^{-1}} \left(\frac{3}{5}\right)^{-4}$$

$$\frac{\left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^5}{\left(\frac{1}{3}\right)^{20}}$$

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

$$\frac{\left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^8 \cdot \left(\frac{1}{2}\right)^9}{\left(\frac{1}{2}\right)^{-4} \cdot \left(\frac{1}{2}\right)^2} \left(\frac{1}{2}\right)^{13}$$

$$\frac{\left(\frac{2}{5}\right)^{-8} \cdot \left(\frac{2}{5}\right)^{-8} \cdot \left(\frac{2}{5}\right)^{-7}}{\left(\frac{2}{5}\right)^{10}} \left(\frac{2}{5}\right)^{-33}$$

$$\frac{\left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^{11} \cdot \left(\frac{2}{3}\right)^3 \cdot \left(\frac{2}{3}\right)^5}{\left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)} \left(\frac{2}{3}\right)^{27}$$

$$\frac{\left(\frac{1}{8}\right)^{-6} \cdot \left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^2}{\left(\frac{1}{8}\right)^{-13}}$$

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

$$\frac{\left(\frac{1}{8}\right)^5 \cdot \left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^{-6}}{\left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^6} \left(\frac{1}{8}\right)^{-6}$$

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