



Simplificación de exponentes de fracciones
(división)

Nombre: _____

Fecha: _____ Puntuación: _____

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

$$\frac{\left(\frac{2}{9}\right)^{11} \cdot \left(\frac{2}{9}\right)^4 \cdot \left(\frac{2}{9}\right)^6}{\left(\frac{2}{9}\right)^2}$$

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

$$\frac{\left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^{-2} \cdot \left(\frac{1}{3}\right)^2}{\left(\frac{1}{3}\right)^{-6}}$$

$$\frac{\left(\frac{3}{8}\right)^4 \cdot \left(\frac{3}{8}\right)^{-2} \cdot \left(\frac{3}{8}\right)^{-5} \cdot \left(\frac{3}{8}\right)^{-7}}{\left(\frac{3}{8}\right) \cdot \left(\frac{3}{8}\right)^{-3}}$$

$$\left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right)^{-2} \cdot \left(\frac{1}{9}\right)^{-6}$$

$$\frac{\left(\frac{1}{3}\right)^{-1} \cdot \left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^{-4}}{\left(\frac{1}{3}\right)^7}$$

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

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

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

$$\left(\frac{2}{3}\right)^{-9} \cdot \left(\frac{2}{3}\right)^{10} \cdot \left(\frac{2}{3}\right)^8$$

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

$$\frac{\left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^{-1} \cdot \left(\frac{1}{3}\right)^{-5}}{\left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^{-4}}$$

$$\frac{\left(\frac{1}{6}\right)^{-1} \cdot \left(\frac{1}{6}\right)^4 \cdot \left(\frac{1}{6}\right)^6 \cdot \left(\frac{1}{6}\right)^{10}}{\left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^{-2}}$$

$$\frac{\left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^{-6}}{\left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^{11}}$$



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

$$\frac{\left(\frac{2}{9}\right)^{11} \cdot \left(\frac{2}{9}\right)^4 \cdot \left(\frac{2}{9}\right)^6}{\left(\frac{2}{9}\right)^2}$$
$$\left(\frac{2}{9}\right)^{19}$$

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

$$\frac{\left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^{-2} \cdot \left(\frac{1}{3}\right)^2}{\left(\frac{1}{3}\right)^{-6}}$$
$$\left(\frac{1}{3}\right)^{16}$$

$$\frac{\left(\frac{3}{8}\right)^4 \cdot \left(\frac{3}{8}\right)^{-2} \cdot \left(\frac{3}{8}\right)^{-5} \cdot \left(\frac{3}{8}\right)^{-7}}{\left(\frac{3}{8}\right) \cdot \left(\frac{3}{8}\right)^{-3}}$$
$$\left(\frac{3}{8}\right)^{-8}$$

$$\frac{\left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right)^{-2} \cdot \left(\frac{1}{9}\right)^{-6}}{\left(\frac{1}{9}\right)^{-3}}$$

$$\frac{\left(\frac{1}{3}\right)^{-1} \cdot \left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^{-4}}{\left(\frac{1}{3}\right)^7}$$
$$\left(\frac{1}{3}\right)^{-1}$$

$$\frac{\left(\frac{1}{3}\right)^{-2} \cdot \left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^{-1}}{\left(\frac{1}{3}\right)^{-9}}$$
$$\left(\frac{1}{3}\right)^7$$

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

$$\frac{\left(\frac{1}{3}\right)^{-9} \cdot \left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-7}}{\left(\frac{1}{3}\right)^{-22}}$$

$$\frac{\left(\frac{2}{3}\right)^{-9} \cdot \left(\frac{2}{3}\right)^{10} \cdot \left(\frac{2}{3}\right)^8}{\left(\frac{2}{3}\right)^9}$$

$$\frac{\left(\frac{2}{9}\right)^{-5} \cdot \left(\frac{2}{9}\right)^{-10} \cdot \left(\frac{2}{9}\right)^9}{\left(\frac{2}{9}\right)^{-6}}$$

$$\frac{\left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^{-1} \cdot \left(\frac{1}{3}\right)^{-5}}{\left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^{-4}}$$
$$\left(\frac{1}{3}\right)^7$$

$$\frac{\left(\frac{1}{6}\right)^{-1} \cdot \left(\frac{1}{6}\right)^4 \cdot \left(\frac{1}{6}\right)^6 \cdot \left(\frac{1}{6}\right)^{10}}{\left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^{-2}}$$
$$\left(\frac{1}{6}\right)^{13}$$

$$\frac{\left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^{-6}}{\left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^{11}}$$
$$\left(\frac{1}{2}\right)^{-12}$$