

Simplificación de exponentes de fracciones
(división)

Nombre: _____

Fecha: _____ Puntuación: _____

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

$$\left(\frac{4}{9}\right)^5 \cdot \left(\frac{4}{9}\right)^8 \cdot \left(\frac{4}{9}\right)^{-3}$$

$$\frac{\left(\frac{1}{4}\right)^4 \cdot \left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right)^7}{\left(\frac{1}{4}\right)^{-4} \cdot \left(\frac{1}{4}\right)^{-6}}$$

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

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

$$\left(\frac{4}{5}\right)^2 \cdot \left(\frac{4}{5}\right)^{-3} \cdot \left(\frac{4}{5}\right)^9$$

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

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

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

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

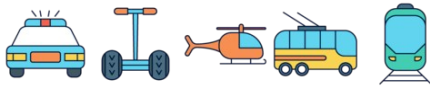
$$\frac{\left(\frac{3}{5}\right)^{-5} \cdot \left(\frac{3}{5}\right)^4 \cdot \left(\frac{3}{5}\right)^{-1} \cdot \left(\frac{3}{5}\right)^{11}}{\left(\frac{3}{5}\right)^3 \cdot \left(\frac{3}{5}\right)}$$

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

$$\frac{\left(\frac{3}{5}\right)^6 \cdot \left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^{-2} \cdot \left(\frac{3}{5}\right)^3}{\left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^{-4}}$$

$$\frac{\left(\frac{4}{9}\right)^2 \cdot \left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^{-10} \cdot \left(\frac{4}{9}\right)^{-6}}{\left(\frac{4}{9}\right)^5 \cdot \left(\frac{4}{9}\right)^{-2}}$$

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



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

$$\left(\frac{4}{5}\right)^{17}$$

$$\left(\frac{4}{9}\right)^5 \cdot \left(\frac{4}{9}\right)^8 \cdot \left(\frac{4}{9}\right)^{-3}$$

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

$$\frac{\left(\frac{1}{4}\right)^4 \cdot \left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right)^7}{\left(\frac{1}{4}\right)^{-4} \cdot \left(\frac{1}{4}\right)^{-6}}$$

$$\left(\frac{1}{4}\right)^{32}$$

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

$$\left(\frac{2}{7}\right)^{-15}$$

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

$$\left(\frac{1}{3}\right)^{-19}$$

$$\left(\frac{4}{5}\right)^2 \cdot \left(\frac{4}{5}\right)^{-3} \cdot \left(\frac{4}{5}\right)^9$$

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

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

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

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

$$\left(\frac{1}{2}\right)^{21}$$

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

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

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

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

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

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

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

$$\left(\frac{2}{9}\right)^{12}$$

$$\frac{\left(\frac{3}{5}\right)^6 \cdot \left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^{-2} \cdot \left(\frac{3}{5}\right)^3}{\left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^{-4}}$$

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

$$\frac{\left(\frac{4}{9}\right)^2 \cdot \left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^{-10} \cdot \left(\frac{4}{9}\right)^{-6}}{\left(\frac{4}{9}\right)^5 \cdot \left(\frac{4}{9}\right)^{-2}}$$

$$\left(\frac{4}{9}\right)^{-8}$$

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

$$\left(\frac{1}{9}\right)^{-15}$$