



Simplificación de exponentes de fracciones  
(división)

Nombre: \_\_\_\_\_

Fecha: \_\_\_\_\_ Puntuación: \_\_\_\_\_

$$\frac{\left(\frac{2}{5}\right)^{11} \cdot \left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^{-4}}{\left(\frac{2}{5}\right)^{-3}}$$

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

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

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

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

$$\frac{\left(\frac{4}{9}\right) \cdot \left(\frac{4}{9}\right)^4 \cdot \left(\frac{4}{9}\right)^{-1} \cdot \left(\frac{4}{9}\right)^{-7}}{\left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^{-3}}$$

$$\frac{\left(\frac{4}{7}\right)^{-1} \cdot \left(\frac{4}{7}\right)^9 \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{-2}}{\left(\frac{4}{7}\right) \cdot \left(\frac{4}{7}\right)^{-9}}$$

$$\frac{\left(\frac{1}{3}\right)^2 \cdot \left(\frac{1}{3}\right)^6 \cdot \left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^7}{\left(\frac{1}{3}\right)^{-8} \cdot \left(\frac{1}{3}\right)^{-8}}$$

$$\frac{\left(\frac{1}{7}\right)^4 \cdot \left(\frac{1}{7}\right)^{-5} \cdot \left(\frac{1}{7}\right)^{-10} \cdot \left(\frac{1}{7}\right)^8}{\left(\frac{1}{7}\right)^7 \cdot \left(\frac{1}{7}\right)}$$

$$\frac{\left(\frac{2}{7}\right)^5 \cdot \left(\frac{2}{7}\right)^{-4} \cdot \left(\frac{2}{7}\right)^4}{\left(\frac{2}{7}\right)^9}$$

$$\frac{\left(\frac{1}{9}\right)^{-7} \cdot \left(\frac{1}{9}\right)^8 \cdot \left(\frac{1}{9}\right)^7 \cdot \left(\frac{1}{9}\right)^{-9}}{\left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^6}$$

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

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

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

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