



## Simplificando os expoentes de fração (divisão)

Nome: \_\_\_\_\_

Encontro: Data: \_\_\_\_\_ Pontuação: \_\_\_\_\_

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

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

$$\frac{\left(\frac{2}{7}\right)^4 \cdot \left(\frac{2}{7}\right)^2 \cdot \left(\frac{2}{7}\right) \cdot \left(\frac{2}{7}\right)^{-4}}{\left(\frac{2}{7}\right)^7 \cdot \left(\frac{2}{7}\right)^{11}}$$

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

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

$$\left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^{11} \cdot \left(\frac{1}{6}\right)^{-8}$$

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

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

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

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

$$\frac{\left(\frac{4}{7}\right)^4 \cdot \left(\frac{4}{7}\right)^9 \cdot \left(\frac{4}{7}\right)^7 \cdot \left(\frac{4}{7}\right)^3}{\left(\frac{4}{7}\right)^2 \cdot \left(\frac{4}{7}\right)^{10}}$$

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

$$\left(\frac{1}{5}\right)^2 \cdot \left(\frac{1}{5}\right)^{11} \cdot \left(\frac{1}{5}\right)^{-7}$$

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

$$\left(\frac{1}{2}\right)^8 \cdot \left(\frac{1}{2}\right)^{-5} \cdot \left(\frac{1}{2}\right)^{-2}$$