



Simplifier les exposants de fractions (Division)

Nom: _____

Date: _____ Note: _____

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

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

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

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

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

$$\frac{\left(\frac{3}{5}\right) \cdot \left(\frac{3}{5}\right)^6 \cdot \left(\frac{3}{5}\right)^8}{\left(\frac{3}{5}\right)^5}$$

$$\frac{\left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^{-1} \cdot \left(\frac{1}{7}\right)^2}{\left(\frac{1}{7}\right)^{-10}}$$

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

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

$$\frac{\left(\frac{4}{9}\right)^{-10} \cdot \left(\frac{4}{9}\right)^{-2} \cdot \left(\frac{4}{9}\right)^{11} \cdot \left(\frac{4}{9}\right)^{-8}}{\left(\frac{4}{9}\right)^5 \cdot \left(\frac{4}{9}\right)^{-8}}$$

$$\left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^{11} \cdot \left(\frac{4}{9}\right)^{10}$$

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

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

$$\frac{\left(\frac{1}{9}\right)^{-10} \cdot \left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^{-5} \cdot \left(\frac{1}{9}\right)^{-9}}{\left(\frac{1}{9}\right)^2 \cdot \left(\frac{1}{9}\right)^7}$$

$$\left(\frac{1}{7}\right)^2 \cdot \left(\frac{1}{7}\right)^{10} \cdot \left(\frac{1}{7}\right)^{-10}$$



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$$\frac{(\frac{1}{7})^{-7} \cdot (\frac{1}{7})^{-7} \cdot (\frac{1}{7})^{-9}}{(\frac{1}{7})^{-23}}$$

$$\frac{(\frac{1}{4})^{-5} \cdot (\frac{1}{4})^{-5} \cdot (\frac{1}{4})^3}{(\frac{1}{4})^{-7}}$$

$$\frac{(\frac{3}{8})^9 \cdot (\frac{3}{8})^{10} \cdot (\frac{3}{8})^{-2}}{(\frac{3}{8})^{17}}$$

$$\frac{(\frac{1}{5})^5 \cdot (\frac{1}{5})^{10} \cdot (\frac{1}{5})^{-10}}{(\frac{1}{5})^{10}} (\frac{1}{5})^{-5}$$

$$\frac{(\frac{1}{3})^{-8} \cdot (\frac{1}{3})^{-6} \cdot (\frac{1}{3})^{-7}}{(\frac{1}{3})^{-21}}$$

$$\frac{(\frac{3}{5}) \cdot (\frac{3}{5})^6 \cdot (\frac{3}{5})^8}{(\frac{3}{5})^5} (\frac{3}{5})^{10}$$

$$\frac{(\frac{1}{7})^{-3} \cdot (\frac{1}{7})^{-1} \cdot (\frac{1}{7})^2}{(\frac{1}{7})^{-10}} (\frac{1}{7})^8$$

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

$$\frac{(\frac{2}{9})^{-5} \cdot (\frac{2}{9})^4 \cdot (\frac{2}{9})}{(\frac{2}{9})^0}$$

$$\frac{(\frac{4}{9})^{-10} \cdot (\frac{4}{9})^{-2} \cdot (\frac{4}{9})^{11} \cdot (\frac{4}{9})^{-8}}{(\frac{4}{9})^5 \cdot (\frac{4}{9})^{-8}} (\frac{4}{9})^{-6}$$

$$\frac{(\frac{4}{9})^9 \cdot (\frac{4}{9})^{11} \cdot (\frac{4}{9})^{10}}{(\frac{4}{9})^{30}}$$

$$\frac{(\frac{1}{5})^{-10} \cdot (\frac{1}{5})^9 \cdot (\frac{1}{5})^5}{(\frac{1}{5})^5} (\frac{1}{5})^{-1}$$

$$\frac{(\frac{1}{5})^5 \cdot (\frac{1}{5})^9 \cdot (\frac{1}{5})^{-5}}{(\frac{1}{5})^{-4}} (\frac{1}{5})^{13}$$

$$\frac{(\frac{1}{9})^{-10} \cdot (\frac{1}{9})^{11} \cdot (\frac{1}{9})^{-5} \cdot (\frac{1}{9})^{-9}}{(\frac{1}{9})^2 \cdot (\frac{1}{9})^7} (\frac{1}{9})^{-22}$$

$$\frac{(\frac{1}{7})^2 \cdot (\frac{1}{7})^{10} \cdot (\frac{1}{7})^{-10}}{(\frac{1}{7})^2}$$