



Simplification des exposants de fractions
(multiplication)

Nom: _____

Date: _____ Note: _____

$$\left(\frac{2}{3}\right)^7 \cdot \left(\frac{2}{3}\right)^{10} \cdot \left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^{-5}$$

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

$$\left(\frac{1}{2}\right)^{-9} \cdot \left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^4$$

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

$$\left(\frac{2}{7}\right)^{-9} \cdot \left(\frac{2}{7}\right)^{-6} \cdot \left(\frac{2}{7}\right)^{11}$$

$$\left(\frac{1}{9}\right)^{-6} \cdot \left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right)^{10}$$

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

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

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

$$\left(\frac{3}{7}\right)^8 \cdot \left(\frac{3}{7}\right)^{10}$$

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

$$\left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^{-6}$$

$$\left(\frac{4}{7}\right)^3 \cdot \left(\frac{4}{7}\right)^{11} \cdot \left(\frac{4}{7}\right)^{-3} \cdot \left(\frac{4}{7}\right)^{-10}$$

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

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