



Simplification des exposants de fractions  
(multiplication)

Nom: \_\_\_\_\_

Date: \_\_\_\_\_ Note: \_\_\_\_\_

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

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

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

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

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

$$\left(\frac{1}{5}\right) \cdot \left(\frac{1}{5}\right)^6 \cdot \left(\frac{1}{5}\right)^3 \cdot \left(\frac{1}{5}\right)^{11}$$

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

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

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

$$\left(\frac{1}{6}\right)^5 \cdot \left(\frac{1}{6}\right)^4$$

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

$$\left(\frac{3}{7}\right)^{-2} \cdot \left(\frac{3}{7}\right)^5 \cdot \left(\frac{3}{7}\right)^{-3} \cdot \left(\frac{3}{7}\right)^8$$

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

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

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