



Simplification des exposants de fractions
(multiplication)

Nom: _____

Date: _____ Note: _____

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

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

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

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

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

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

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

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

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

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

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

$$\left(\frac{2}{7}\right)^{-3} \cdot \left(\frac{2}{7}\right)^{11}$$

$$\left(\frac{4}{9}\right)^{-1} \cdot \left(\frac{4}{9}\right)^{-7} \cdot \left(\frac{4}{9}\right)^4 \cdot \left(\frac{4}{9}\right)^{-6}$$

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

$$\left(\frac{4}{5}\right)^{-8} \cdot \left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^7 \cdot \left(\frac{4}{5}\right)$$



Simplification des exposants de fractions
(multiplication)

Nom: _____

Date: _____ Note: _____

$$\left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^9$$
$$\left(\frac{1}{3}\right)^{13}$$

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

$$\left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^{-3} \cdot \left(\frac{4}{9}\right)^8$$
$$\left(\frac{4}{9}\right)^{-11}$$

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

$$\left(\frac{2}{7}\right)^{-2} \cdot \left(\frac{2}{7}\right)^{-10} \cdot \left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right)$$
$$\left(\frac{2}{7}\right)^{-18}$$

$$\left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-2} \cdot \left(\frac{1}{7}\right)^9$$
$$\left(\frac{1}{7}\right)^{13}$$

$$\left(\frac{1}{7}\right)^8 \cdot \left(\frac{1}{7}\right)^{10}$$
$$\left(\frac{1}{7}\right)^{18}$$

$$\left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^4$$
$$\left(\frac{1}{9}\right)^{15}$$

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

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

$$\left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^{-9}$$
$$\left(\frac{4}{9}\right)^{-17}$$

$$\left(\frac{2}{7}\right)^{-3} \cdot \left(\frac{2}{7}\right)^{11}$$
$$\left(\frac{2}{7}\right)^8$$

$$\left(\frac{4}{9}\right)^{-1} \cdot \left(\frac{4}{9}\right)^{-7} \cdot \left(\frac{4}{9}\right)^4 \cdot \left(\frac{4}{9}\right)^{-6}$$
$$\left(\frac{4}{9}\right)^{-10}$$

$$\left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^7 \cdot \left(\frac{1}{6}\right)^{11} \cdot \left(\frac{1}{6}\right)$$
$$\left(\frac{1}{6}\right)^{27}$$

$$\left(\frac{4}{5}\right)^{-8} \cdot \left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^7 \cdot \left(\frac{4}{5}\right)$$
$$\left(\frac{4}{5}\right)^{-9}$$