



Murtoeksponenttien yksinkertaistaminen
(kertolasku)

Nimi: _____

Päivämäärä: _____ Pisteet: _____

$$\left(\frac{1}{8}\right)^{-1} \cdot \left(\frac{1}{8}\right)^{10} \cdot \left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)^{-2}$$

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

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

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

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

$$\left(\frac{1}{5}\right)^{-4} \cdot \left(\frac{1}{5}\right)^{-6} \cdot \left(\frac{1}{5}\right)^3 \cdot \left(\frac{1}{5}\right)^4$$

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

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

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

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

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

$$\left(\frac{1}{2}\right)^{-9} \cdot \left(\frac{1}{2}\right)^{-2} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^3$$

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

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

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