



Nimi: _____

Päivämäärä: _____ Pisteet: _____

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

$$\frac{\left(\frac{3}{5}\right)^{-5} \cdot \left(\frac{3}{5}\right)^{-2} \cdot \left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^{-2}}{\left(\frac{3}{5}\right)^6 \cdot \left(\frac{3}{5}\right)^3}$$

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

$$\left(\frac{2}{9}\right)^8 \cdot \left(\frac{2}{9}\right)^2 \cdot \left(\frac{2}{9}\right)^{-6}$$

$$\frac{\left(\frac{2}{7}\right)^8 \cdot \left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right) \cdot \left(\frac{2}{7}\right)^4}{\left(\frac{2}{7}\right)^{-9} \cdot \left(\frac{2}{7}\right)^{-7}}$$

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

$$\frac{\left(\frac{2}{5}\right)^9 \cdot \left(\frac{2}{5}\right)^{-5} \cdot \left(\frac{2}{5}\right)^5 \cdot \left(\frac{2}{5}\right)^8}{\left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^2}$$

$$\frac{\left(\frac{1}{4}\right) \cdot \left(\frac{1}{4}\right)^{-7} \cdot \left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^{11}}{\left(\frac{1}{4}\right)^7 \cdot \left(\frac{1}{4}\right)^6}$$

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

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

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

$$\left(\frac{1}{7}\right)^{-4} \cdot \left(\frac{1}{7}\right)^{-6} \cdot \left(\frac{1}{7}\right)^{-3}$$

$$\frac{\left(\frac{4}{5}\right)^2 \cdot \left(\frac{4}{5}\right)^8 \cdot \left(\frac{4}{5}\right)^{-3}}{\left(\frac{4}{5}\right)^{-6}}$$

$$\frac{\left(\frac{2}{3}\right)^{-6} \cdot \left(\frac{2}{3}\right)^{-4} \cdot \left(\frac{2}{3}\right)^8}{\left(\frac{2}{3}\right)^{-8}}$$

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



Nimi: _____

Päivämäärä: _____ Pisteet: _____

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

$$\frac{\left(\frac{3}{5}\right)^{-5} \cdot \left(\frac{3}{5}\right)^{-2} \cdot \left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^{-2}}{\left(\frac{3}{5}\right)^6 \cdot \left(\frac{3}{5}\right)^3}$$
$$\left(\frac{3}{5}\right)^{-27}$$

$$\frac{\left(\frac{3}{7}\right)^5 \cdot \left(\frac{3}{7}\right)^{10} \cdot \left(\frac{3}{7}\right)^3}{\left(\frac{3}{7}\right)^{18}}$$

$$\frac{\left(\frac{2}{9}\right)^8 \cdot \left(\frac{2}{9}\right)^2 \cdot \left(\frac{2}{9}\right)^{-6}}{\left(\frac{2}{9}\right)^4}$$

$$\frac{\left(\frac{2}{7}\right)^8 \cdot \left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right) \cdot \left(\frac{2}{7}\right)^4}{\left(\frac{2}{7}\right)^{-9} \cdot \left(\frac{2}{7}\right)^{-7}}$$
$$\left(\frac{2}{7}\right)^{22}$$

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

$$\frac{\left(\frac{2}{5}\right)^9 \cdot \left(\frac{2}{5}\right)^{-5} \cdot \left(\frac{2}{5}\right)^5 \cdot \left(\frac{2}{5}\right)^8}{\left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^2}$$
$$\left(\frac{2}{5}\right)^{16}$$

$$\frac{\left(\frac{1}{4}\right) \cdot \left(\frac{1}{4}\right)^{-7} \cdot \left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^{11}}{\left(\frac{1}{4}\right)^7 \cdot \left(\frac{1}{4}\right)^6}$$
$$\left(\frac{1}{4}\right)^3$$

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

$$\frac{\left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^8 \cdot \left(\frac{2}{3}\right)^{-1}}{\left(\frac{2}{3}\right)^6}$$

$$\frac{\left(\frac{1}{5}\right) \cdot \left(\frac{1}{5}\right)^{-5} \cdot \left(\frac{1}{5}\right)^9}{\left(\frac{1}{5}\right)^{-9}}$$
$$\left(\frac{1}{5}\right)^{14}$$

$$\frac{\left(\frac{1}{7}\right)^{-4} \cdot \left(\frac{1}{7}\right)^{-6} \cdot \left(\frac{1}{7}\right)^{-3}}{\left(\frac{1}{7}\right)^{-13}}$$

$$\frac{\left(\frac{4}{5}\right)^2 \cdot \left(\frac{4}{5}\right)^8 \cdot \left(\frac{4}{5}\right)^{-3}}{\left(\frac{4}{5}\right)^{-6}}$$
$$\left(\frac{4}{5}\right)^{13}$$

$$\frac{\left(\frac{2}{3}\right)^{-6} \cdot \left(\frac{2}{3}\right)^{-4} \cdot \left(\frac{2}{3}\right)^8}{\left(\frac{2}{3}\right)^{-8}}$$
$$\left(\frac{2}{3}\right)^6$$

$$\frac{\left(\frac{3}{7}\right)^{-6} \cdot \left(\frac{3}{7}\right)^{-3} \cdot \left(\frac{3}{7}\right)^{-8}}{\left(\frac{3}{7}\right)^{-17}}$$