



Nimi: \_\_\_\_\_

Päivämäärä: \_\_\_\_\_ Pisteet: \_\_\_\_\_

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

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

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

$$\frac{\left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right)^{-4} \cdot \left(\frac{2}{7}\right)^{-2}}{\left(\frac{2}{7}\right)^{-5}}$$

$$\frac{\left(\frac{1}{5}\right)^2 \cdot \left(\frac{1}{5}\right)^{-5} \cdot \left(\frac{1}{5}\right)}{\left(\frac{1}{5}\right)^{-10}}$$

$$\left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)$$

$$\frac{\left(\frac{1}{5}\right)^{-4} \cdot \left(\frac{1}{5}\right)^{-1} \cdot \left(\frac{1}{5}\right)^{10}}{\left(\frac{1}{5}\right)^4}$$

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

$$\left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^5 \cdot \left(\frac{1}{8}\right)^{-1}$$

$$\frac{\left(\frac{1}{4}\right)^{10} \cdot \left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^3}{\left(\frac{1}{4}\right)^2}$$

$$\frac{\left(\frac{1}{3}\right)^6 \cdot \left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^4}{\left(\frac{1}{3}\right)^{-10} \cdot \left(\frac{1}{3}\right)^7}$$

$$\frac{\left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{11}}{\left(\frac{1}{2}\right)^{-2}}$$

$$\left(\frac{1}{3}\right)^7 \cdot \left(\frac{1}{3}\right)^{-10} \cdot \left(\frac{1}{3}\right)$$

$$\frac{\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{-2} \cdot \left(\frac{4}{5}\right)^{-3}}{\left(\frac{4}{5}\right)^{-5}}$$

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



Nimi: \_\_\_\_\_

Päivämäärä: \_\_\_\_\_ Pisteet: \_\_\_\_\_

$$\frac{\left(\frac{2}{9}\right)^{-5} \cdot \left(\frac{2}{9}\right)^9 \cdot \left(\frac{2}{9}\right)^4}{\left(\frac{2}{9}\right)^8}$$

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

$$\frac{\left(\frac{3}{7}\right) \cdot \left(\frac{3}{7}\right)^{-6} \cdot \left(\frac{3}{7}\right)^{-7}}{\left(\frac{3}{7}\right)^{-12}}$$

$$\frac{\left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right)^{-4} \cdot \left(\frac{2}{7}\right)^{-2}}{\left(\frac{2}{7}\right)^{-5}} \cdot \left(\frac{2}{7}\right)^{-8}$$

$$\frac{\left(\frac{1}{5}\right)^2 \cdot \left(\frac{1}{5}\right)^{-5} \cdot \left(\frac{1}{5}\right)}{\left(\frac{1}{5}\right)^{-10}} \cdot \left(\frac{1}{5}\right)^8$$

$$\frac{\left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)}{\left(\frac{1}{4}\right)^{-2}}$$

$$\frac{\left(\frac{1}{5}\right)^{-4} \cdot \left(\frac{1}{5}\right)^{-1} \cdot \left(\frac{1}{5}\right)^{10}}{\left(\frac{1}{5}\right)^4} \cdot \left(\frac{1}{5}\right)$$

$$\frac{\left(\frac{2}{3}\right)^{-5} \cdot \left(\frac{2}{3}\right) \cdot \left(\frac{2}{3}\right)^7}{\left(\frac{2}{3}\right)^{-3}} \cdot \left(\frac{2}{3}\right)^6$$

$$\frac{\left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^5 \cdot \left(\frac{1}{8}\right)^{-1}}{\left(\frac{1}{8}\right)^{-3}}$$

$$\frac{\left(\frac{1}{4}\right)^{10} \cdot \left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^3}{\left(\frac{1}{4}\right)^2} \cdot \left(\frac{1}{4}\right)$$

$$\frac{\left(\frac{1}{3}\right)^6 \cdot \left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^4}{\left(\frac{1}{3}\right)^{-10} \cdot \left(\frac{1}{3}\right)^7} \cdot \left(\frac{1}{3}\right)^{27}$$

$$\frac{\left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{11}}{\left(\frac{1}{2}\right)^{-2}} \cdot \left(\frac{1}{2}\right)^{17}$$

$$\frac{\left(\frac{1}{3}\right)^7 \cdot \left(\frac{1}{3}\right)^{-10} \cdot \left(\frac{1}{3}\right)}{\left(\frac{1}{3}\right)^{-2}}$$

$$\frac{\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{-2} \cdot \left(\frac{4}{5}\right)^{-3}}{\left(\frac{4}{5}\right)^{-5}} \cdot \left(\frac{4}{5}\right)^{-10}$$

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