



Forenkling af brøkeksponenter (division)

Navn: _____

Dato: _____ Score: _____

$$\frac{\left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)^{-5} \cdot \left(\frac{1}{8}\right)^{10} \cdot \left(\frac{1}{8}\right)^{-4}}{\left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)^{10}}$$

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

$$\frac{\left(\frac{4}{5}\right)^5 \cdot \left(\frac{4}{5}\right)^{-8} \cdot \left(\frac{4}{5}\right)^8 \cdot \left(\frac{4}{5}\right)^2}{\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{-8}}$$

$$\frac{\left(\frac{1}{2}\right)^5 \cdot \left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^{11}}{\left(\frac{1}{2}\right)^5}$$

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

$$\frac{\left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^4 \cdot \left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right)^{-7}}{\left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right)^{-2}}$$

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

$$\frac{\left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{10} \cdot \left(\frac{4}{7}\right)^{11} \cdot \left(\frac{4}{7}\right)^{-2}}{\left(\frac{4}{7}\right) \cdot \left(\frac{4}{7}\right)^{-4}}$$

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

$$\frac{\left(\frac{2}{3}\right)^6 \cdot \left(\frac{2}{3}\right)^5 \cdot \left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^7}{\left(\frac{2}{3}\right)^{-4} \cdot \left(\frac{2}{3}\right)}$$

$$\left(\frac{4}{9}\right)^{10} \cdot \left(\frac{4}{9}\right)^{-5} \cdot \left(\frac{4}{9}\right)^3$$

$$\frac{\left(\frac{1}{6}\right)^{-6} \cdot \left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^7}{\left(\frac{1}{6}\right)^5 \cdot \left(\frac{1}{6}\right)^6}$$

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

$$\frac{\left(\frac{2}{3}\right)^{-6} \cdot \left(\frac{2}{3}\right)^{-8} \cdot \left(\frac{2}{3}\right)^8 \cdot \left(\frac{2}{3}\right)^{-9}}{\left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^{11}}$$

$$\left(\frac{1}{4}\right)^{-8} \cdot \left(\frac{1}{4}\right)^6 \cdot \left(\frac{1}{4}\right)^{10}$$



Navn: _____

Dato: _____ Score: _____

$$\frac{\left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)^{-5} \cdot \left(\frac{1}{8}\right)^{10} \cdot \left(\frac{1}{8}\right)^{-4}}{\left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)^{10}}$$

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

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

$$\frac{\left(\frac{4}{5}\right)^5 \cdot \left(\frac{4}{5}\right)^{-8} \cdot \left(\frac{4}{5}\right)^8 \cdot \left(\frac{4}{5}\right)^2}{\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{-8}}$$

$\left(\frac{4}{5}\right)^{25}$

$$\frac{\left(\frac{1}{2}\right)^5 \cdot \left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^{11}}{\left(\frac{1}{2}\right)^5}$$

$\left(\frac{1}{2}\right)$

$$\frac{\left(\frac{3}{7}\right)^3 \cdot \left(\frac{3}{7}\right)^9 \cdot \left(\frac{3}{7}\right)^3}{\left(\frac{3}{7}\right)^{15}}$$

$$\frac{\left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^4 \cdot \left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right)^{-7}}{\left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right)^{-2}}$$

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

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

$$\frac{\left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{10} \cdot \left(\frac{4}{7}\right)^{11} \cdot \left(\frac{4}{7}\right)^{-2}}{\left(\frac{4}{7}\right) \cdot \left(\frac{4}{7}\right)^{-4}}$$

$\left(\frac{4}{7}\right)^{14}$

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

$$\frac{\left(\frac{2}{3}\right)^6 \cdot \left(\frac{2}{3}\right)^5 \cdot \left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^7}{\left(\frac{2}{3}\right)^{-4} \cdot \left(\frac{2}{3}\right)}$$

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

$$\frac{\left(\frac{4}{9}\right)^{10} \cdot \left(\frac{4}{9}\right)^{-5} \cdot \left(\frac{4}{9}\right)^3}{\left(\frac{4}{9}\right)^8}$$

$$\frac{\left(\frac{1}{6}\right)^{-6} \cdot \left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^7}{\left(\frac{1}{6}\right)^5 \cdot \left(\frac{1}{6}\right)^6}$$

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

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

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

$$\frac{\left(\frac{2}{3}\right)^{-6} \cdot \left(\frac{2}{3}\right)^{-8} \cdot \left(\frac{2}{3}\right)^8 \cdot \left(\frac{2}{3}\right)^{-9}}{\left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^{11}}$$

$\left(\frac{2}{3}\right)^{-16}$

$$\frac{\left(\frac{1}{4}\right)^{-8} \cdot \left(\frac{1}{4}\right)^6 \cdot \left(\frac{1}{4}\right)^{10}}{\left(\frac{1}{4}\right)^8}$$