



Forenkling af brøkeksponenter (division)

Navn: _____

Dato: _____ Score: _____

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

$$\frac{\left(\frac{2}{3}\right)^5 \cdot \left(\frac{2}{3}\right)^{-4} \cdot \left(\frac{2}{3}\right)^8}{\left(\frac{2}{3}\right)^{-10}}$$

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

$$\frac{\left(\frac{1}{5}\right)^{-5} \cdot \left(\frac{1}{5}\right)^{-2} \cdot \left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^{-2}}{\left(\frac{1}{5}\right)^{-10} \cdot \left(\frac{1}{5}\right)^{-5}}$$

$$\frac{\left(\frac{1}{2}\right)^{-2} \cdot \left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^{-7}}{\left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^{-6}}$$

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

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

$$\frac{\left(\frac{2}{7}\right)^{-5} \cdot \left(\frac{2}{7}\right)^{-3} \cdot \left(\frac{2}{7}\right)^{-5} \cdot \left(\frac{2}{7}\right)^9}{\left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right)^9}$$

$$\frac{\left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^{-2} \cdot \left(\frac{1}{4}\right)^{-3}}{\left(\frac{1}{4}\right)^{-4}}$$

$$\frac{\left(\frac{2}{5}\right)^{10} \cdot \left(\frac{2}{5}\right)^4 \cdot \left(\frac{2}{5}\right)^{-2} \cdot \left(\frac{2}{5}\right)^8}{\left(\frac{2}{5}\right)^{-6} \cdot \left(\frac{2}{5}\right)^{-8}}$$

$$\frac{\left(\frac{3}{8}\right)^6 \cdot \left(\frac{3}{8}\right)^{-6} \cdot \left(\frac{3}{8}\right)^{-5} \cdot \left(\frac{3}{8}\right)^{-6}}{\left(\frac{3}{8}\right)^{10} \cdot \left(\frac{3}{8}\right)^{-8}}$$

$$\frac{\left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-5}}{\left(\frac{1}{3}\right)^2 \cdot \left(\frac{1}{3}\right)^{-9}}$$

$$\frac{\left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^{-5} \cdot \left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^{-9}}{\left(\frac{1}{3}\right)^7 \cdot \left(\frac{1}{3}\right)^{-10}}$$

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

$$\left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^9 \cdot \left(\frac{3}{5}\right)$$



Navn: _____

Dato: _____ Score: _____

$$\frac{\left(\frac{2}{9}\right)^{10} \cdot \left(\frac{2}{9}\right)^{-5} \cdot \left(\frac{2}{9}\right)^{10}}{\left(\frac{2}{9}\right)^9}$$
$$\left(\frac{2}{9}\right)^6$$

$$\frac{\left(\frac{2}{3}\right)^5 \cdot \left(\frac{2}{3}\right)^{-4} \cdot \left(\frac{2}{3}\right)^8}{\left(\frac{2}{3}\right)^{-10}}$$
$$\left(\frac{2}{3}\right)^{19}$$

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

$$\frac{\left(\frac{1}{5}\right)^{-5} \cdot \left(\frac{1}{5}\right)^{-2} \cdot \left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^{-2}}{\left(\frac{1}{5}\right)^{-10} \cdot \left(\frac{1}{5}\right)^{-5}}$$
$$\left(\frac{1}{5}\right)^{13}$$

$$\frac{\left(\frac{1}{2}\right)^{-2} \cdot \left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^{-7}}{\left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^{-6}}$$
$$\left(\frac{1}{2}\right)^{19}$$

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

$$\frac{\left(\frac{4}{7}\right)^{-7} \cdot \left(\frac{4}{7}\right)^{-9} \cdot \left(\frac{4}{7}\right)^{-1}}{\left(\frac{4}{7}\right)^{-17}}$$

$$\frac{\left(\frac{2}{7}\right)^{-5} \cdot \left(\frac{2}{7}\right)^{-3} \cdot \left(\frac{2}{7}\right)^{-5} \cdot \left(\frac{2}{7}\right)^9}{\left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right)^9}$$
$$\left(\frac{2}{7}\right)^{-6}$$

$$\frac{\left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^{-2} \cdot \left(\frac{1}{4}\right)^{-3}}{\left(\frac{1}{4}\right)^{-4}}$$
$$\left(\frac{1}{4}\right)^{-6}$$

$$\frac{\left(\frac{2}{5}\right)^{10} \cdot \left(\frac{2}{5}\right)^4 \cdot \left(\frac{2}{5}\right)^{-2} \cdot \left(\frac{2}{5}\right)^8}{\left(\frac{2}{5}\right)^{-6} \cdot \left(\frac{2}{5}\right)^{-8}}$$
$$\left(\frac{2}{5}\right)^{34}$$

$$\frac{\left(\frac{3}{8}\right)^6 \cdot \left(\frac{3}{8}\right)^{-6} \cdot \left(\frac{3}{8}\right)^{-5} \cdot \left(\frac{3}{8}\right)^{-6}}{\left(\frac{3}{8}\right)^{10} \cdot \left(\frac{3}{8}\right)^{-8}}$$
$$\left(\frac{3}{8}\right)^{-13}$$

$$\frac{\left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-5}}{\left(\frac{1}{3}\right)^2 \cdot \left(\frac{1}{3}\right)^{-9}}$$
$$\left(\frac{1}{3}\right)^{-9}$$

$$\frac{\left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^{-5} \cdot \left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^{-9}}{\left(\frac{1}{3}\right)^7 \cdot \left(\frac{1}{3}\right)^{-10}}$$
$$\left(\frac{1}{3}\right)^{10}$$

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

$$\frac{\left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^9 \cdot \left(\frac{3}{5}\right)}{\left(\frac{3}{5}\right)^{21}}$$