



Forenkling af brøkeksponenter (division)

Navn: _____

Dato: _____ Score: _____

$$\frac{\left(\frac{1}{5}\right)^{-2} \cdot \left(\frac{1}{5}\right)^{-7} \cdot \left(\frac{1}{5}\right)^{-6}}{\left(\frac{1}{5}\right)^8}$$

$$\frac{\left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right)^5 \cdot \left(\frac{1}{4}\right)^4}{\left(\frac{1}{4}\right)^2}$$

$$\frac{\left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^{-9} \cdot \left(\frac{1}{3}\right)^6}{\left(\frac{1}{3}\right)^4}$$

$$\frac{\left(\frac{1}{9}\right)^{-2} \cdot \left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^7 \cdot \left(\frac{1}{9}\right)^9}{\left(\frac{1}{9}\right)^9 \cdot \left(\frac{1}{9}\right)^{11}}$$

$$\left(\frac{1}{9}\right)^3 \cdot \left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^{-8}$$

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

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

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

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

$$\frac{\left(\frac{4}{5}\right)^{-4} \cdot \left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)}{\left(\frac{4}{5}\right) \cdot \left(\frac{4}{5}\right)^4}$$

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

$$\frac{\left(\frac{1}{9}\right)^{-8} \cdot \left(\frac{1}{9}\right)^2 \cdot \left(\frac{1}{9}\right)^6 \cdot \left(\frac{1}{9}\right)^2}{\left(\frac{1}{9}\right)^{-3} \cdot \left(\frac{1}{9}\right)^{-6}}$$

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

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

$$\frac{\left(\frac{3}{8}\right)^{-4} \cdot \left(\frac{3}{8}\right)^{-8} \cdot \left(\frac{3}{8}\right)^{-6} \cdot \left(\frac{3}{8}\right)^4}{\left(\frac{3}{8}\right) \cdot \left(\frac{3}{8}\right)^9}$$



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$$\frac{\left(\frac{1}{5}\right)^{-2} \cdot \left(\frac{1}{5}\right)^{-7} \cdot \left(\frac{1}{5}\right)^{-6}}{\left(\frac{1}{5}\right)^8}$$
$$\left(\frac{1}{5}\right)^{-23}$$

$$\frac{\left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right)^5 \cdot \left(\frac{1}{4}\right)^4}{\left(\frac{1}{4}\right)^2}$$
$$\left(\frac{1}{4}\right)^{16}$$

$$\frac{\left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^{-9} \cdot \left(\frac{1}{3}\right)^6}{\left(\frac{1}{3}\right)^4}$$
$$\left(\frac{1}{3}\right)^4$$

$$\frac{\left(\frac{1}{9}\right)^{-2} \cdot \left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^7 \cdot \left(\frac{1}{9}\right)^9}{\left(\frac{1}{9}\right)^9 \cdot \left(\frac{1}{9}\right)^{11}}$$
$$\left(\frac{1}{9}\right)^5$$

$$\left(\frac{1}{9}\right)^3 \cdot \left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^{-8}$$
$$\left(\frac{1}{9}\right)^6$$

$$\frac{\left(\frac{2}{5}\right)^{-3} \cdot \left(\frac{2}{5}\right)^6 \cdot \left(\frac{2}{5}\right)^5}{\left(\frac{2}{5}\right)^{-6}}$$
$$\left(\frac{2}{5}\right)^{14}$$

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

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

$$\frac{\left(\frac{1}{9}\right)^{-5} \cdot \left(\frac{1}{9}\right)^{-3} \cdot \left(\frac{1}{9}\right)^{-5}}{\left(\frac{1}{9}\right)^3}$$
$$\left(\frac{1}{9}\right)^{-16}$$

$$\frac{\left(\frac{4}{5}\right)^{-4} \cdot \left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)}{\left(\frac{4}{5}\right) \cdot \left(\frac{4}{5}\right)^4}$$
$$\left(\frac{4}{5}\right)^{-7}$$

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

$$\frac{\left(\frac{1}{9}\right)^{-8} \cdot \left(\frac{1}{9}\right)^2 \cdot \left(\frac{1}{9}\right)^6 \cdot \left(\frac{1}{9}\right)^2}{\left(\frac{1}{9}\right)^{-3} \cdot \left(\frac{1}{9}\right)^{-6}}$$
$$\left(\frac{1}{9}\right)^{11}$$

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

$$\frac{\left(\frac{1}{3}\right)^{-3} \cdot \left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^{-6}}{\left(\frac{1}{3}\right)^{11}}$$
$$\left(\frac{1}{3}\right)^{-27}$$

$$\frac{\left(\frac{3}{8}\right)^{-4} \cdot \left(\frac{3}{8}\right)^{-8} \cdot \left(\frac{3}{8}\right)^{-6} \cdot \left(\frac{3}{8}\right)^4}{\left(\frac{3}{8}\right) \cdot \left(\frac{3}{8}\right)^9}$$
$$\left(\frac{3}{8}\right)^{-24}$$