



## Vereenvoudiging van breukexponenten (deling)

Naam: \_\_\_\_\_

Datum: \_\_\_\_\_ Score: \_\_\_\_\_

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

$$\frac{\left(\frac{1}{8}\right)^9 \cdot \left(\frac{1}{8}\right)^{-4} \cdot \left(\frac{1}{8}\right)^{-8}}{\left(\frac{1}{8}\right)^{-9}}$$

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

$$\frac{\left(\frac{2}{9}\right) \cdot \left(\frac{2}{9}\right)^{-4} \cdot \left(\frac{2}{9}\right)^{-3}}{\left(\frac{2}{9}\right)^9}$$

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

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

$$\frac{\left(\frac{1}{3}\right)^{-4} \cdot \left(\frac{1}{3}\right)^{-4} \cdot \left(\frac{1}{3}\right)^5}{\left(\frac{1}{3}\right)^7}$$

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

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

$$\frac{\left(\frac{3}{8}\right)^{-6} \cdot \left(\frac{3}{8}\right)^9 \cdot \left(\frac{3}{8}\right)^4 \cdot \left(\frac{3}{8}\right)^{-4}}{\left(\frac{3}{8}\right)^7 \cdot \left(\frac{3}{8}\right)^{-5}}$$

$$\frac{\left(\frac{1}{2}\right)^3 \cdot \left(\frac{1}{2}\right)^{-1} \cdot \left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^{-7}}{\left(\frac{1}{2}\right)^3 \cdot \left(\frac{1}{2}\right)^{-2}}$$

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

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

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

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



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Naam: \_\_\_\_\_

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$$\frac{\left(\frac{2}{3}\right)^{-4} \cdot \left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^{-3} \cdot \left(\frac{2}{3}\right)^8}{\left(\frac{2}{3}\right)^{-5} \cdot \left(\frac{2}{3}\right)^{-4}}$$
$$\left(\frac{2}{3}\right)^0$$

$$\frac{\left(\frac{1}{8}\right)^9 \cdot \left(\frac{1}{8}\right)^{-4} \cdot \left(\frac{1}{8}\right)^{-8}}{\left(\frac{1}{8}\right)^{-9}}$$
$$\left(\frac{1}{8}\right)^6$$

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

$$\frac{\left(\frac{2}{9}\right) \cdot \left(\frac{2}{9}\right)^{-4} \cdot \left(\frac{2}{9}\right)^{-3}}{\left(\frac{2}{9}\right)^9}$$
$$\left(\frac{2}{9}\right)^{-15}$$

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

$$\frac{\left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^{-10}}{\left(\frac{3}{5}\right)^{-7}}$$
$$\left(\frac{3}{5}\right)^{-15}$$

$$\frac{\left(\frac{1}{3}\right)^{-4} \cdot \left(\frac{1}{3}\right)^{-4} \cdot \left(\frac{1}{3}\right)^5}{\left(\frac{1}{3}\right)^7}$$
$$\left(\frac{1}{3}\right)^{-10}$$

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

$$\frac{\left(\frac{1}{6}\right)^{10} \cdot \left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^8}{\left(\frac{1}{6}\right)^{-1}}$$
$$\left(\frac{1}{6}\right)^{14}$$

$$\frac{\left(\frac{3}{8}\right)^{-6} \cdot \left(\frac{3}{8}\right)^9 \cdot \left(\frac{3}{8}\right)^4 \cdot \left(\frac{3}{8}\right)^{-4}}{\left(\frac{3}{8}\right)^7 \cdot \left(\frac{3}{8}\right)^{-5}}$$
$$\left(\frac{3}{8}\right)$$

$$\frac{\left(\frac{1}{2}\right)^3 \cdot \left(\frac{1}{2}\right)^{-1} \cdot \left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^{-7}}{\left(\frac{1}{2}\right)^3 \cdot \left(\frac{1}{2}\right)^{-2}}$$
$$\left(\frac{1}{2}\right)^{-14}$$

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

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

$$\frac{\left(\frac{1}{2}\right)^{-7} \cdot \left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^{-8}}{\left(\frac{1}{2}\right)^6}$$
$$\left(\frac{1}{2}\right)^{-29}$$

$$\frac{\left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^4 \cdot \left(\frac{1}{4}\right)^{-2}}{\left(\frac{1}{4}\right)^7}$$
$$\left(\frac{1}{4}\right)^{-15}$$