



## 简化分数指数(除法乘法)

姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分数: \_\_\_\_\_

$$\frac{\left(\frac{1}{7}\right)^{-8} \cdot \left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-1}}{\left(\frac{1}{7}\right)^{-9}}$$

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

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

$$\frac{\left(\frac{3}{7}\right)^{11} \cdot \left(\frac{3}{7}\right)^6 \cdot \left(\frac{3}{7}\right)^2}{\left(\frac{3}{7}\right)^{-9}}$$

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

$$\frac{\left(\frac{2}{7}\right)^{-1} \cdot \left(\frac{2}{7}\right)^{-1} \cdot \left(\frac{2}{7}\right)^{-3}}{\left(\frac{2}{7}\right)^{-9}}$$

$$\frac{\left(\frac{1}{2}\right)^{-3} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{-6}}{\left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^{-10}}$$

$$\frac{\left(\frac{3}{8}\right)^6 \cdot \left(\frac{3}{8}\right)^{-1} \cdot \left(\frac{3}{8}\right)^8 \cdot \left(\frac{3}{8}\right)^{10}}{\left(\frac{3}{8}\right)^2 \cdot \left(\frac{3}{8}\right)^5}$$

$$\left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^{-7} \cdot \left(\frac{2}{3}\right)^{-9}$$

$$\frac{\left(\frac{1}{3}\right)^8 \cdot \left(\frac{1}{3}\right)^3 \cdot \left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^{-4}}{\left(\frac{1}{3}\right)^{-10} \cdot \left(\frac{1}{3}\right)^9}$$

$$\frac{\left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^8 \cdot \left(\frac{4}{9}\right)^3}{\left(\frac{4}{9}\right)^4 \cdot \left(\frac{4}{9}\right)^{-1}}$$

$$\frac{\left(\frac{1}{5}\right)^{-6} \cdot \left(\frac{1}{5}\right)^{-9} \cdot \left(\frac{1}{5}\right)^8}{\left(\frac{1}{5}\right)^{-10}}$$

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

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

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



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$$\frac{\left(\frac{1}{7}\right)^{-8} \cdot \left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-1}}{\left(\frac{1}{7}\right)^{-9}}$$

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

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

$\left(\frac{4}{7}\right)^{-20}$

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

$$\frac{\left(\frac{3}{7}\right)^{11} \cdot \left(\frac{3}{7}\right)^6 \cdot \left(\frac{3}{7}\right)^2}{\left(\frac{3}{7}\right)^{-9}}$$

$\left(\frac{3}{7}\right)^{28}$

$$\frac{\left(\frac{1}{4}\right)^{-9} \cdot \left(\frac{1}{4}\right)^{-7} \cdot \left(\frac{1}{4}\right)^4}{\left(\frac{1}{4}\right)^{-12}}$$

$$\frac{\left(\frac{2}{7}\right)^{-1} \cdot \left(\frac{2}{7}\right)^{-1} \cdot \left(\frac{2}{7}\right)^{-3}}{\left(\frac{2}{7}\right)^{-9}}$$

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

$$\frac{\left(\frac{1}{2}\right)^{-3} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{-6}}{\left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^{-10}}$$

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

$$\frac{\left(\frac{3}{8}\right)^6 \cdot \left(\frac{3}{8}\right)^{-1} \cdot \left(\frac{3}{8}\right)^8 \cdot \left(\frac{3}{8}\right)^{10}}{\left(\frac{3}{8}\right)^2 \cdot \left(\frac{3}{8}\right)^5}$$

$\left(\frac{3}{8}\right)^{16}$

$$\frac{\left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^{-7} \cdot \left(\frac{2}{3}\right)^{-9}}{\left(\frac{2}{3}\right)^{-26}}$$

$$\frac{\left(\frac{1}{3}\right)^8 \cdot \left(\frac{1}{3}\right)^3 \cdot \left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^{-4}}{\left(\frac{1}{3}\right)^{-10} \cdot \left(\frac{1}{3}\right)^9}$$

$\left(\frac{1}{3}\right)^{17}$

$$\frac{\left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^8 \cdot \left(\frac{4}{9}\right)^3}{\left(\frac{4}{9}\right)^4 \cdot \left(\frac{4}{9}\right)^{-1}}$$

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

$$\frac{\left(\frac{1}{5}\right)^{-6} \cdot \left(\frac{1}{5}\right)^{-9} \cdot \left(\frac{1}{5}\right)^8}{\left(\frac{1}{5}\right)^{-10}}$$

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

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

$\left(\frac{1}{3}\right)$

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

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