



## 简化分数指数(除法乘法)

姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分数: \_\_\_\_\_

$$\frac{\left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-9} \cdot \left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-3}}{\left(\frac{1}{7}\right)^{-4} \cdot \left(\frac{1}{7}\right)^{-6}}$$

$$\frac{\left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^{-9}}{\left(\frac{2}{3}\right)^{-10}}$$

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

$$\frac{\left(\frac{1}{7}\right)^{-2} \cdot \left(\frac{1}{7}\right)^{-10} \cdot \left(\frac{1}{7}\right)^{-4}}{\left(\frac{1}{7}\right)^5}$$

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

$$\frac{\left(\frac{4}{7}\right)^4 \cdot \left(\frac{4}{7}\right)^{-7} \cdot \left(\frac{4}{7}\right)^2 \cdot \left(\frac{4}{7}\right)^3}{\left(\frac{4}{7}\right)^3 \cdot \left(\frac{4}{7}\right)^9}$$

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

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

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

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

$$\frac{\left(\frac{1}{4}\right)^{-9} \cdot \left(\frac{1}{4}\right)^5 \cdot \left(\frac{1}{4}\right)^{-3}}{\left(\frac{1}{4}\right)^3}$$

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

$$\frac{\left(\frac{1}{9}\right)^{-8} \cdot \left(\frac{1}{9}\right)^{-7} \cdot \left(\frac{1}{9}\right)^6}{\left(\frac{1}{9}\right)}$$

$$\frac{\left(\frac{2}{5}\right)^3 \cdot \left(\frac{2}{5}\right)^{-10} \cdot \left(\frac{2}{5}\right)^{-10}}{\left(\frac{2}{5}\right)^{11}}$$

$$\left(\frac{1}{3}\right)^{-9} \cdot \left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^{-8}$$



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$$\frac{\left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-9} \cdot \left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-3}}{\left(\frac{1}{7}\right)^{-4} \cdot \left(\frac{1}{7}\right)^{-6}}$$
$$\left(\frac{1}{7}\right)^{16}$$

$$\frac{\left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^{-9}}{\left(\frac{2}{3}\right)^{-10}}$$
$$\left(\frac{2}{3}\right)^4$$

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

$$\frac{\left(\frac{1}{7}\right)^{-2} \cdot \left(\frac{1}{7}\right)^{-10} \cdot \left(\frac{1}{7}\right)^{-4}}{\left(\frac{1}{7}\right)^5}$$
$$\left(\frac{1}{7}\right)^{-21}$$

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

$$\frac{\left(\frac{4}{7}\right)^4 \cdot \left(\frac{4}{7}\right)^{-7} \cdot \left(\frac{4}{7}\right)^2 \cdot \left(\frac{4}{7}\right)^3}{\left(\frac{4}{7}\right)^3 \cdot \left(\frac{4}{7}\right)^9}$$
$$\left(\frac{4}{7}\right)^{-10}$$

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

$$\frac{\left(\frac{4}{9}\right)^{-5} \cdot \left(\frac{4}{9}\right)^{-5} \cdot \left(\frac{4}{9}\right)^{-6}}{\left(\frac{4}{9}\right)^9}$$
$$\left(\frac{4}{9}\right)^{-25}$$

$$\left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^{-9}$$
$$\left(\frac{1}{8}\right)^{-16}$$

$$\frac{\left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^5 \cdot \left(\frac{1}{8}\right)^{10}}{\left(\frac{1}{8}\right)}$$
$$\left(\frac{1}{8}\right)^{17}$$

$$\frac{\left(\frac{1}{4}\right)^{-9} \cdot \left(\frac{1}{4}\right)^5 \cdot \left(\frac{1}{4}\right)^{-3}}{\left(\frac{1}{4}\right)^3}$$
$$\left(\frac{1}{4}\right)^{-10}$$

$$\left(\frac{1}{7}\right)^{-10} \cdot \left(\frac{1}{7}\right)^7 \cdot \left(\frac{1}{7}\right)^{-6}$$
$$\left(\frac{1}{7}\right)^{-9}$$

$$\frac{\left(\frac{1}{9}\right)^{-8} \cdot \left(\frac{1}{9}\right)^{-7} \cdot \left(\frac{1}{9}\right)^6}{\left(\frac{1}{9}\right)}$$
$$\left(\frac{1}{9}\right)^{-10}$$

$$\frac{\left(\frac{2}{5}\right)^3 \cdot \left(\frac{2}{5}\right)^{-10} \cdot \left(\frac{2}{5}\right)^{-10}}{\left(\frac{2}{5}\right)^{11}}$$
$$\left(\frac{2}{5}\right)^{-28}$$

$$\left(\frac{1}{3}\right)^{-9} \cdot \left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^{-8}$$
$$\left(\frac{1}{3}\right)^{-24}$$