



## 简化分数指数(除法乘法)

姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分数: \_\_\_\_\_

$$\frac{\left(\frac{4}{9}\right)^2 \cdot \left(\frac{4}{9}\right)^6 \cdot \left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^{-1}}{\left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^9}$$

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

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

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

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

$$\frac{\left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^{10} \cdot \left(\frac{1}{4}\right)^{10}}{\left(\frac{1}{4}\right)^{-3} \cdot \left(\frac{1}{4}\right)^{-9}}$$

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

$$\left(\frac{2}{7}\right)^{-8} \cdot \left(\frac{2}{7}\right)^9 \cdot \left(\frac{2}{7}\right)^4$$

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

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

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

$$\frac{\left(\frac{4}{5}\right)^5 \cdot \left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^3}{\left(\frac{4}{5}\right)^9}$$

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

$$\frac{\left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^{-3}}{\left(\frac{1}{8}\right)^{-2}}$$

$$\frac{\left(\frac{4}{7}\right)^{-5} \cdot \left(\frac{4}{7}\right)^7 \cdot \left(\frac{4}{7}\right)^{-5} \cdot \left(\frac{4}{7}\right)^{-3}}{\left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{10}}$$



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$$\frac{\left(\frac{4}{9}\right)^2 \cdot \left(\frac{4}{9}\right)^6 \cdot \left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^{-1}}{\left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^9}$$
$$\left(\frac{4}{9}\right)^{-2}$$

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

$$\left(\frac{2}{7}\right) \cdot \left(\frac{2}{7}\right)^{-10} \cdot \left(\frac{2}{7}\right)^{-5}$$
$$\left(\frac{2}{7}\right)^{-14}$$

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

$$\left(\frac{4}{9}\right)^7 \cdot \left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^9$$
$$\left(\frac{4}{9}\right)^{25}$$

$$\frac{\left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^{10} \cdot \left(\frac{1}{4}\right)^{10}}{\left(\frac{1}{4}\right)^{-3} \cdot \left(\frac{1}{4}\right)^{-9}}$$
$$\left(\frac{1}{4}\right)^{29}$$

$$\frac{\left(\frac{1}{9}\right)^7 \cdot \left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right)^7}{\left(\frac{1}{9}\right)^2}$$
$$\left(\frac{1}{9}\right)^{17}$$

$$\left(\frac{2}{7}\right)^{-8} \cdot \left(\frac{2}{7}\right)^9 \cdot \left(\frac{2}{7}\right)^4$$
$$\left(\frac{2}{7}\right)^5$$

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

$$\left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^8$$
$$\left(\frac{3}{5}\right)^{28}$$

$$\frac{\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^7 \cdot \left(\frac{4}{5}\right)^{11}}{\left(\frac{4}{5}\right)^{11}}$$
$$\left(\frac{4}{5}\right)^{-3}$$

$$\frac{\left(\frac{4}{5}\right)^5 \cdot \left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^3}{\left(\frac{4}{5}\right)^9}$$
$$\left(\frac{4}{5}\right)^{10}$$

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

$$\frac{\left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^{-3}}{\left(\frac{1}{8}\right)^{-2}}$$
$$\left(\frac{1}{8}\right)^{-4}$$

$$\frac{\left(\frac{4}{7}\right)^{-5} \cdot \left(\frac{4}{7}\right)^7 \cdot \left(\frac{4}{7}\right)^{-5} \cdot \left(\frac{4}{7}\right)^{-3}}{\left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{10}}$$
$$\left(\frac{4}{7}\right)^{-8}$$