



简化分数指数(除法乘法)

姓名: _____

日期: _____ 分数: _____

$$\frac{\left(\frac{2}{7}\right)^{-2} \cdot \left(\frac{2}{7}\right)^{-2} \cdot \left(\frac{2}{7}\right)^5 \cdot \left(\frac{2}{7}\right)^5}{\left(\frac{2}{7}\right)^{-10} \cdot \left(\frac{2}{7}\right)^{-3}}$$

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

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

$$\frac{\left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^{-8}}{\left(\frac{1}{4}\right)^6 \cdot \left(\frac{1}{4}\right)^{-4}}$$

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

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

$$\frac{\left(\frac{1}{8}\right)^{10} \cdot \left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^5}{\left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^3}$$

$$\frac{\left(\frac{3}{5}\right)^{-4} \cdot \left(\frac{3}{5}\right)^{-4} \cdot \left(\frac{3}{5}\right)^9 \cdot \left(\frac{3}{5}\right)^{11}}{\left(\frac{3}{5}\right)^2 \cdot \left(\frac{3}{5}\right)^{-8}}$$

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

$$\frac{\left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^7 \cdot \left(\frac{2}{3}\right) \cdot \left(\frac{2}{3}\right)^8}{\left(\frac{2}{3}\right)^9 \cdot \left(\frac{2}{3}\right)^8}$$

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

$$\frac{\left(\frac{4}{7}\right)^{11} \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{-9}}{\left(\frac{4}{7}\right)^9}$$

$$\frac{\left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^{-7} \cdot \left(\frac{4}{5}\right)^5 \cdot \left(\frac{4}{5}\right)^{-9}}{\left(\frac{4}{5}\right)^{-2} \cdot \left(\frac{4}{5}\right)^7}$$

$$\frac{\left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^{-5}}{\left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^{-6}}$$

$$\frac{\left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-9}}{\left(\frac{1}{3}\right)^5}$$



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$$\frac{\left(\frac{2}{7}\right)^{-2} \cdot \left(\frac{2}{7}\right)^{-2} \cdot \left(\frac{2}{7}\right)^5 \cdot \left(\frac{2}{7}\right)^5}{\left(\frac{2}{7}\right)^{-10} \cdot \left(\frac{2}{7}\right)^{-3}}$$

$\left(\frac{2}{7}\right)^{19}$

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

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

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

$\left(\frac{2}{5}\right)^{-21}$

$$\frac{\left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^{-8}}{\left(\frac{1}{4}\right)^6 \cdot \left(\frac{1}{4}\right)^{-4}}$$

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

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

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

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

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

$$\frac{\left(\frac{1}{8}\right)^{10} \cdot \left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^5}{\left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^3}$$

$\left(\frac{1}{8}\right)^{18}$

$$\frac{\left(\frac{3}{5}\right)^{-4} \cdot \left(\frac{3}{5}\right)^{-4} \cdot \left(\frac{3}{5}\right)^9 \cdot \left(\frac{3}{5}\right)^{11}}{\left(\frac{3}{5}\right)^2 \cdot \left(\frac{3}{5}\right)^{-8}}$$

$\left(\frac{3}{5}\right)^{18}$

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

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

$$\frac{\left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^7 \cdot \left(\frac{2}{3}\right) \cdot \left(\frac{2}{3}\right)^8}{\left(\frac{2}{3}\right)^9 \cdot \left(\frac{2}{3}\right)^8}$$

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

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

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

$$\frac{\left(\frac{4}{7}\right)^{11} \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{-9}}{\left(\frac{4}{7}\right)^9}$$

$\left(\frac{4}{7}\right)^{-15}$

$$\frac{\left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^{-7} \cdot \left(\frac{4}{5}\right)^5 \cdot \left(\frac{4}{5}\right)^{-9}}{\left(\frac{4}{5}\right)^{-2} \cdot \left(\frac{4}{5}\right)^7}$$

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

$$\frac{\left(\frac{1}{4}\right)^9 \cdot \left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^{-5}}{\left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^{-6}}$$

$\left(\frac{1}{4}\right)^0$

$$\frac{\left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-9}}{\left(\frac{1}{3}\right)^5}$$

$\left(\frac{1}{3}\right)^{-19}$