



简化分数指数(除法乘法)

姓名: _____

日期: _____ 分数: _____

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

$$\frac{\left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^7 \cdot \left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^{-3}}{\left(\frac{2}{3}\right)^5 \cdot \left(\frac{2}{3}\right)^{-6}}$$

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

$$\left(\frac{4}{5}\right)^2 \cdot \left(\frac{4}{5}\right)^{-7} \cdot \left(\frac{4}{5}\right)^6$$

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

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

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

$$\frac{\left(\frac{1}{7}\right)^{11} \cdot \left(\frac{1}{7}\right)^{-9} \cdot \left(\frac{1}{7}\right)^{10}}{\left(\frac{1}{7}\right)^{-8}}$$

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

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

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

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

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

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

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



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$$\frac{\left(\frac{3}{8}\right)^2 \cdot \left(\frac{3}{8}\right)^{10} \cdot \left(\frac{3}{8}\right)^{10}}{\left(\frac{3}{8}\right)^6}$$
$$\left(\frac{3}{8}\right)^{16}$$

$$\frac{\left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^7 \cdot \left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^{-3}}{\left(\frac{2}{3}\right)^5 \cdot \left(\frac{2}{3}\right)^{-6}}$$
$$\left(\frac{2}{3}\right)^{-6}$$

$$\frac{\left(\frac{2}{9}\right)^{-4} \cdot \left(\frac{2}{9}\right)^{-10} \cdot \left(\frac{2}{9}\right)^{-4}}{\left(\frac{2}{9}\right)^2}$$
$$\left(\frac{2}{9}\right)^{-20}$$

$$\left(\frac{4}{5}\right)^2 \cdot \left(\frac{4}{5}\right)^{-7} \cdot \left(\frac{4}{5}\right)^6$$
$$\left(\frac{4}{5}\right)$$

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

$$\left(\frac{1}{2}\right)^{-5} \cdot \left(\frac{1}{2}\right)^{-5} \cdot \left(\frac{1}{2}\right)^{-4}$$
$$\left(\frac{1}{2}\right)^{-14}$$

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

$$\frac{\left(\frac{1}{7}\right)^{11} \cdot \left(\frac{1}{7}\right)^{-9} \cdot \left(\frac{1}{7}\right)^{10}}{\left(\frac{1}{7}\right)^{-8}}$$
$$\left(\frac{1}{7}\right)^{20}$$

$$\frac{\left(\frac{2}{3}\right)^{-3} \cdot \left(\frac{2}{3}\right)^{10} \cdot \left(\frac{2}{3}\right)^7}{\left(\frac{2}{3}\right)^2}$$
$$\left(\frac{2}{3}\right)^{12}$$

$$\left(\frac{1}{9}\right)^4 \cdot \left(\frac{1}{9}\right)^7 \cdot \left(\frac{1}{9}\right)^4$$
$$\left(\frac{1}{9}\right)^{15}$$

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

$$\left(\frac{1}{5}\right)^{-7} \cdot \left(\frac{1}{5}\right)^4 \cdot \left(\frac{1}{5}\right)^9$$
$$\left(\frac{1}{5}\right)^6$$

$$\frac{\left(\frac{4}{9}\right)^{-4} \cdot \left(\frac{4}{9}\right)^{-1} \cdot \left(\frac{4}{9}\right)^{-9}}{\left(\frac{4}{9}\right)^9}$$
$$\left(\frac{4}{9}\right)^{-23}$$

$$\left(\frac{1}{8}\right)^8 \cdot \left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)$$
$$\left(\frac{1}{8}\right)^{15}$$

$$\left(\frac{3}{7}\right)^{-9} \cdot \left(\frac{3}{7}\right)^{-5} \cdot \left(\frac{3}{7}\right)^{-5}$$
$$\left(\frac{3}{7}\right)^{-19}$$