



簡化分數指數(除法乘法)

姓名: _____

日期: _____ 分數: _____

$$\frac{\left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^{-6} \cdot \left(\frac{4}{5}\right)^{-2}}{\left(\frac{4}{5}\right)^{-3}}$$

$$\frac{\left(\frac{2}{9}\right)^{10} \cdot \left(\frac{2}{9}\right)^{-1} \cdot \left(\frac{2}{9}\right)^{-3}}{\left(\frac{2}{9}\right)^{11}}$$

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

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

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

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

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

$$\frac{\left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^{-6}}{\left(\frac{1}{3}\right)^9}$$

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

$$\frac{\left(\frac{2}{9}\right)^{-7} \cdot \left(\frac{2}{9}\right)^{-7} \cdot \left(\frac{2}{9}\right)^8 \cdot \left(\frac{2}{9}\right)^3}{\left(\frac{2}{9}\right) \cdot \left(\frac{2}{9}\right)^4}$$

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

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

$$\frac{\left(\frac{1}{7}\right)^{-10} \cdot \left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^4 \cdot \left(\frac{1}{7}\right)^{11}}{\left(\frac{1}{7}\right)^{-2} \cdot \left(\frac{1}{7}\right)^{10}}$$

$$\frac{\left(\frac{1}{8}\right)^9 \cdot \left(\frac{1}{8}\right)^{-5} \cdot \left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^{-6}}{\left(\frac{1}{8}\right)^{-1} \cdot \left(\frac{1}{8}\right)^{-8}}$$

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



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$$\frac{\left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^{-6} \cdot \left(\frac{4}{5}\right)^{-2}}{\left(\frac{4}{5}\right)^{-3}}$$
$$\left(\frac{4}{5}\right)^{-14}$$

$$\frac{\left(\frac{2}{9}\right)^{10} \cdot \left(\frac{2}{9}\right)^{-1} \cdot \left(\frac{2}{9}\right)^{-3}}{\left(\frac{2}{9}\right)^{11}}$$
$$\left(\frac{2}{9}\right)^{-5}$$

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

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

$$\frac{\left(\frac{4}{7}\right)^{-7} \cdot \left(\frac{4}{7}\right)^6 \cdot \left(\frac{4}{7}\right)^9}{\left(\frac{4}{7}\right)^{-4}}$$
$$\left(\frac{4}{7}\right)^{12}$$

$$\frac{\left(\frac{1}{4}\right)^{-9} \cdot \left(\frac{1}{4}\right)^{-7} \cdot \left(\frac{1}{4}\right)^{-6}}{\left(\frac{1}{4}\right)^{-9}}$$
$$\left(\frac{1}{4}\right)^{-13}$$

$$\left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right) \cdot \left(\frac{2}{3}\right)^{-5}$$
$$\left(\frac{2}{3}\right)^0$$

$$\frac{\left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^{-6}}{\left(\frac{1}{3}\right)^9}$$
$$\left(\frac{1}{3}\right)^{-1}$$

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

$$\frac{\left(\frac{2}{9}\right)^{-7} \cdot \left(\frac{2}{9}\right)^{-7} \cdot \left(\frac{2}{9}\right)^8 \cdot \left(\frac{2}{9}\right)^3}{\left(\frac{2}{9}\right) \cdot \left(\frac{2}{9}\right)^4}$$
$$\left(\frac{2}{9}\right)^{-8}$$

$$\left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^{-2} \cdot \left(\frac{1}{3}\right)^{-10}$$
$$\left(\frac{1}{3}\right)^{-19}$$

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

$$\frac{\left(\frac{1}{7}\right)^{-10} \cdot \left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^4 \cdot \left(\frac{1}{7}\right)^{11}}{\left(\frac{1}{7}\right)^{-2} \cdot \left(\frac{1}{7}\right)^{10}}$$
$$\left(\frac{1}{7}\right)^{-6}$$

$$\frac{\left(\frac{1}{8}\right)^9 \cdot \left(\frac{1}{8}\right)^{-5} \cdot \left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^{-6}}{\left(\frac{1}{8}\right)^{-1} \cdot \left(\frac{1}{8}\right)^{-8}}$$
$$\left(\frac{1}{8}\right)^0$$

$$\frac{\left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^{-8} \cdot \left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^{-3}}{\left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^{-3}}$$
$$\left(\frac{1}{8}\right)^{-18}$$