



简化分数指数(除法乘法)

姓名: _____

日期: _____ 分数: _____

$$\frac{\left(\frac{1}{3}\right)^3 \cdot \left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-5} \cdot \left(\frac{1}{3}\right)^{-1}}{\left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^9}$$

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

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

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

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

$$\frac{\left(\frac{1}{5}\right)^{-6} \cdot \left(\frac{1}{5}\right)^4 \cdot \left(\frac{1}{5}\right)^2}{\left(\frac{1}{5}\right)^6}$$

$$\frac{\left(\frac{1}{2}\right)^5 \cdot \left(\frac{1}{2}\right)^{-1} \cdot \left(\frac{1}{2}\right)^{-9} \cdot \left(\frac{1}{2}\right)^8}{\left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^5}$$

$$\frac{\left(\frac{4}{7}\right)^{-6} \cdot \left(\frac{4}{7}\right)^{-3} \cdot \left(\frac{4}{7}\right)^7 \cdot \left(\frac{4}{7}\right)^9}{\left(\frac{4}{7}\right)^{-10} \cdot \left(\frac{4}{7}\right)^8}$$

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

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

$$\frac{\left(\frac{2}{7}\right)^{-8} \cdot \left(\frac{2}{7}\right)^{-10} \cdot \left(\frac{2}{7}\right)^{-9} \cdot \left(\frac{2}{7}\right)^{11}}{\left(\frac{2}{7}\right)^{-8} \cdot \left(\frac{2}{7}\right)^7}$$

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

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

$$\frac{\left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^8 \cdot \left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^4}{\left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right)^{10}}$$

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



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$$\frac{\left(\frac{1}{3}\right)^3 \cdot \left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-5} \cdot \left(\frac{1}{3}\right)^{-1}}{\left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^9} \left(\frac{1}{3}\right)^{-29}$$

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

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

$$\frac{\left(\frac{1}{3}\right)^{-4} \cdot \left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^7}{\left(\frac{1}{3}\right)^{12}}$$

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

$$\frac{\left(\frac{1}{5}\right)^{-6} \cdot \left(\frac{1}{5}\right)^4 \cdot \left(\frac{1}{5}\right)^2}{\left(\frac{1}{5}\right)^6} \left(\frac{1}{5}\right)^{-6}$$

$$\frac{\left(\frac{1}{2}\right)^5 \cdot \left(\frac{1}{2}\right)^{-1} \cdot \left(\frac{1}{2}\right)^{-9} \cdot \left(\frac{1}{2}\right)^8}{\left(\frac{1}{2}\right)^{-8} \cdot \left(\frac{1}{2}\right)^5} \left(\frac{1}{2}\right)^6$$

$$\frac{\left(\frac{4}{7}\right)^{-6} \cdot \left(\frac{4}{7}\right)^{-3} \cdot \left(\frac{4}{7}\right)^7 \cdot \left(\frac{4}{7}\right)^9}{\left(\frac{4}{7}\right)^{-10} \cdot \left(\frac{4}{7}\right)^8} \left(\frac{4}{7}\right)^9$$

$$\frac{\left(\frac{4}{9}\right)^{-4} \cdot \left(\frac{4}{9}\right)^7 \cdot \left(\frac{4}{9}\right)}{\left(\frac{4}{9}\right)^{-2}} \left(\frac{4}{9}\right)^6$$

$$\frac{\left(\frac{1}{5}\right)^5 \cdot \left(\frac{1}{5}\right)^{-8} \cdot \left(\frac{1}{5}\right)^5}{\left(\frac{1}{5}\right)^2}$$

$$\frac{\left(\frac{2}{7}\right)^{-8} \cdot \left(\frac{2}{7}\right)^{-10} \cdot \left(\frac{2}{7}\right)^{-9} \cdot \left(\frac{2}{7}\right)^{11}}{\left(\frac{2}{7}\right)^{-8} \cdot \left(\frac{2}{7}\right)^7} \left(\frac{2}{7}\right)^{-15}$$

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

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

$$\frac{\left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^8 \cdot \left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^4}{\left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right)^{10}} \left(\frac{1}{2}\right)^0$$

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