



簡化分數指數(除法乘法)

姓名: _____

日期: _____ 分數: _____

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

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

$$\frac{\left(\frac{1}{9}\right)^9 \cdot \left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^{-4} \cdot \left(\frac{1}{9}\right)^{-8}}{\left(\frac{1}{9}\right)^4 \cdot \left(\frac{1}{9}\right)^{-7}}$$

$$\frac{\left(\frac{1}{3}\right)^{-4} \cdot \left(\frac{1}{3}\right)^7 \cdot \left(\frac{1}{3}\right)^{-9} \cdot \left(\frac{1}{3}\right)^{-6}}{\left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^5}$$

$$\frac{\left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^8}{\left(\frac{1}{3}\right)^{11}}$$

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

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

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

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

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

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

$$\frac{\left(\frac{2}{7}\right)^3 \cdot \left(\frac{2}{7}\right)^{11} \cdot \left(\frac{2}{7}\right)^6 \cdot \left(\frac{2}{7}\right)^{-1}}{\left(\frac{2}{7}\right)^2 \cdot \left(\frac{2}{7}\right)^{-8}}$$

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

$$\frac{\left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^6 \cdot \left(\frac{2}{3}\right)^{-5}}{\left(\frac{2}{3}\right)^8}$$

$$\frac{\left(\frac{3}{8}\right)^{-9} \cdot \left(\frac{3}{8}\right)^{-6} \cdot \left(\frac{3}{8}\right)^{-1}}{\left(\frac{3}{8}\right)^{-1}}$$



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

$$\left(\frac{3}{7}\right)^0$$

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

$$\left(\frac{1}{4}\right)^{16}$$

$$\frac{\left(\frac{1}{9}\right)^9 \cdot \left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^{-4} \cdot \left(\frac{1}{9}\right)^{-8}}{\left(\frac{1}{9}\right)^4 \cdot \left(\frac{1}{9}\right)^{-7}}$$

$$\left(\frac{1}{9}\right)^{11}$$

$$\frac{\left(\frac{1}{3}\right)^{-4} \cdot \left(\frac{1}{3}\right)^7 \cdot \left(\frac{1}{3}\right)^{-9} \cdot \left(\frac{1}{3}\right)^{-6}}{\left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^5}$$

$$\left(\frac{1}{3}\right)^{-18}$$

$$\frac{\left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^8}{\left(\frac{1}{3}\right)^{11}}$$

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

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

$$\left(\frac{1}{3}\right)^7$$

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

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

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

$$\left(\frac{4}{7}\right)^{23}$$

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

$$\left(\frac{1}{8}\right)^{-14}$$

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

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

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

$$\left(\frac{2}{9}\right)^{13}$$

$$\frac{\left(\frac{2}{7}\right)^3 \cdot \left(\frac{2}{7}\right)^{11} \cdot \left(\frac{2}{7}\right)^6 \cdot \left(\frac{2}{7}\right)^{-1}}{\left(\frac{2}{7}\right)^2 \cdot \left(\frac{2}{7}\right)^{-8}}$$

$$\left(\frac{2}{7}\right)^{25}$$

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

$$\left(\frac{1}{7}\right)^{-16}$$

$$\frac{\left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^6 \cdot \left(\frac{2}{3}\right)^{-5}}{\left(\frac{2}{3}\right)^8}$$

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

$$\frac{\left(\frac{3}{8}\right)^{-9} \cdot \left(\frac{3}{8}\right)^{-6} \cdot \left(\frac{3}{8}\right)^{-1}}{\left(\frac{3}{8}\right)^{-1}}$$

$$\left(\frac{3}{8}\right)^{-15}$$