



簡化分數指數(除法乘法)

姓名: _____

日期: _____ 分數: _____

$$\frac{\left(\frac{1}{2}\right)^{-7} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^7}{\left(\frac{1}{2}\right)^{-9}}$$

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

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

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

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

$$\frac{\left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^{-4} \cdot \left(\frac{1}{6}\right)^{-4} \cdot \left(\frac{1}{6}\right)^9}{\left(\frac{1}{6}\right)^{-2} \cdot \left(\frac{1}{6}\right)^{-10}}$$

$$\frac{\left(\frac{4}{7}\right)^{-3} \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^3 \cdot \left(\frac{4}{7}\right)^{11}}{\left(\frac{4}{7}\right)^{-7} \cdot \left(\frac{4}{7}\right)}$$

$$\frac{\left(\frac{1}{4}\right)^6 \cdot \left(\frac{1}{4}\right)^{-4} \cdot \left(\frac{1}{4}\right)^{-9} \cdot \left(\frac{1}{4}\right)^{-4}}{\left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^{-6}}$$

$$\frac{\left(\frac{2}{3}\right) \cdot \left(\frac{2}{3}\right)^{-8} \cdot \left(\frac{2}{3}\right)^{10} \cdot \left(\frac{2}{3}\right)^6}{\left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^{11}}$$

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

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

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

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

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

$$\frac{\left(\frac{4}{9}\right)^{-1} \cdot \left(\frac{4}{9}\right)^{-2} \cdot \left(\frac{4}{9}\right)^{10} \cdot \left(\frac{4}{9}\right)^{-7}}{\left(\frac{4}{9}\right)^{-5} \cdot \left(\frac{4}{9}\right)^{-7}}$$



簡化分數指數(除法乘法)

姓名: _____

日期: _____ 分數: _____

$$\frac{\left(\frac{1}{2}\right)^{-7} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^7}{\left(\frac{1}{2}\right)^{-9}}$$
$$\left(\frac{1}{2}\right)^{13}$$

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

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

$$\left(\frac{3}{7}\right)^7 \cdot \left(\frac{3}{7}\right)^8 \cdot \left(\frac{3}{7}\right)^{-4}$$
$$\left(\frac{3}{7}\right)^{11}$$

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

$$\frac{\left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^{-4} \cdot \left(\frac{1}{6}\right)^{-4} \cdot \left(\frac{1}{6}\right)^9}{\left(\frac{1}{6}\right)^{-2} \cdot \left(\frac{1}{6}\right)^{-10}}$$
$$\left(\frac{1}{6}\right)^{16}$$

$$\frac{\left(\frac{4}{7}\right)^{-3} \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^3 \cdot \left(\frac{4}{7}\right)^{11}}{\left(\frac{4}{7}\right)^{-7} \cdot \left(\frac{4}{7}\right)}$$
$$\left(\frac{4}{7}\right)^9$$

$$\frac{\left(\frac{1}{4}\right)^6 \cdot \left(\frac{1}{4}\right)^{-4} \cdot \left(\frac{1}{4}\right)^{-9} \cdot \left(\frac{1}{4}\right)^{-4}}{\left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^{-6}}$$
$$\left(\frac{1}{4}\right)^{-7}$$

$$\frac{\left(\frac{2}{3}\right) \cdot \left(\frac{2}{3}\right)^{-8} \cdot \left(\frac{2}{3}\right)^{10} \cdot \left(\frac{2}{3}\right)^6}{\left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^{11}}$$
$$\left(\frac{2}{3}\right)^{-6}$$

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

$$\left(\frac{2}{5}\right)^{-4} \cdot \left(\frac{2}{5}\right)^7 \cdot \left(\frac{2}{5}\right)^9$$
$$\left(\frac{2}{5}\right)^{12}$$

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

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

$$\frac{\left(\frac{3}{8}\right) \cdot \left(\frac{3}{8}\right)^{-4} \cdot \left(\frac{3}{8}\right)^{10} \cdot \left(\frac{3}{8}\right)^{-8}}{\left(\frac{3}{8}\right)^8 \cdot \left(\frac{3}{8}\right)^7}$$
$$\left(\frac{3}{8}\right)^{-16}$$

$$\frac{\left(\frac{4}{9}\right)^{-1} \cdot \left(\frac{4}{9}\right)^{-2} \cdot \left(\frac{4}{9}\right)^{10} \cdot \left(\frac{4}{9}\right)^{-7}}{\left(\frac{4}{9}\right)^{-5} \cdot \left(\frac{4}{9}\right)^{-7}}$$
$$\left(\frac{4}{9}\right)^{12}$$