



简化分数指数(除法乘法)

姓名: _____

日期: _____ 分数: _____

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

$$\frac{\left(\frac{3}{7}\right)^{-9} \cdot \left(\frac{3}{7}\right)^{-10} \cdot \left(\frac{3}{7}\right)^2 \cdot \left(\frac{3}{7}\right)^{-2}}{\left(\frac{3}{7}\right)^{-5} \cdot \left(\frac{3}{7}\right)^{-7}}$$

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

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

$$\frac{\left(\frac{1}{9}\right)^9 \cdot \left(\frac{1}{9}\right)^{-4} \cdot \left(\frac{1}{9}\right)^{-4} \cdot \left(\frac{1}{9}\right)^{11}}{\left(\frac{1}{9}\right)^{-2} \cdot \left(\frac{1}{9}\right)^{-1}}$$

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

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

$$\left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^{-1} \cdot \left(\frac{1}{3}\right)^{-8}$$

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

$$\frac{\left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^{11}}{\left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^7}$$

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

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

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

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

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



简化分数指数(除法乘法)

姓名: _____

日期: _____ 分数: _____

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

$$\frac{\left(\frac{3}{7}\right)^{-9} \cdot \left(\frac{3}{7}\right)^{-10} \cdot \left(\frac{3}{7}\right)^2 \cdot \left(\frac{3}{7}\right)^{-2}}{\left(\frac{3}{7}\right)^{-5} \cdot \left(\frac{3}{7}\right)^{-7}}$$
$$\left(\frac{3}{7}\right)^{-7}$$

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

$$\left(\frac{2}{9}\right)^4 \cdot \left(\frac{2}{9}\right)^4 \cdot \left(\frac{2}{9}\right)^8$$
$$\left(\frac{2}{9}\right)^{16}$$

$$\frac{\left(\frac{1}{9}\right)^9 \cdot \left(\frac{1}{9}\right)^{-4} \cdot \left(\frac{1}{9}\right)^{-4} \cdot \left(\frac{1}{9}\right)^{11}}{\left(\frac{1}{9}\right)^{-2} \cdot \left(\frac{1}{9}\right)^{-1}}$$
$$\left(\frac{1}{9}\right)^{15}$$

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

$$\left(\frac{2}{7}\right)^2 \cdot \left(\frac{2}{7}\right)^5 \cdot \left(\frac{2}{7}\right)^{-3}$$
$$\left(\frac{2}{7}\right)^4$$

$$\left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^{-1} \cdot \left(\frac{1}{3}\right)^{-8}$$
$$\left(\frac{1}{3}\right)^{-5}$$

$$\left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^6$$
$$\left(\frac{1}{3}\right)^{21}$$

$$\frac{\left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^{11}}{\left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^7}$$
$$\left(\frac{1}{2}\right)^0$$

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

$$\frac{\left(\frac{3}{7}\right)^{-10} \cdot \left(\frac{3}{7}\right)^4 \cdot \left(\frac{3}{7}\right)^{-9} \cdot \left(\frac{3}{7}\right)^{-6}}{\left(\frac{3}{7}\right)^3 \cdot \left(\frac{3}{7}\right)^7}$$
$$\left(\frac{3}{7}\right)^{-31}$$

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

$$\frac{\left(\frac{4}{7}\right)^4 \cdot \left(\frac{4}{7}\right)^7 \cdot \left(\frac{4}{7}\right)^9}{\left(\frac{4}{7}\right)^3}$$
$$\left(\frac{4}{7}\right)^{17}$$

$$\frac{\left(\frac{2}{5}\right)^7 \cdot \left(\frac{2}{5}\right)^7 \cdot \left(\frac{2}{5}\right)^{-6}}{\left(\frac{2}{5}\right)^{-10}}$$
$$\left(\frac{2}{5}\right)^{18}$$