



姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分數: \_\_\_\_\_

$$\left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^8 \cdot \left(\frac{1}{5}\right)^4$$

$$\frac{\left(\frac{4}{5}\right)^{-4} \cdot \left(\frac{4}{5}\right)^6 \cdot \left(\frac{4}{5}\right)^{10} \cdot \left(\frac{4}{5}\right)^9}{\left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^{-9}}$$

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

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

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

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

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

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

$$\left(\frac{1}{8}\right)^2 \cdot \left(\frac{1}{8}\right)^{-3} \cdot \left(\frac{1}{8}\right)^{10}$$

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

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

$$\frac{\left(\frac{1}{4}\right)^{-3} \cdot \left(\frac{1}{4}\right)^7 \cdot \left(\frac{1}{4}\right)^{-8}}{\left(\frac{1}{4}\right)^3}$$

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

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

$$\frac{\left(\frac{3}{8}\right)^5 \cdot \left(\frac{3}{8}\right)^{11} \cdot \left(\frac{3}{8}\right)^{11}}{\left(\frac{3}{8}\right)^{-9}}$$



簡化分數指數(除法乘法)

姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分數: \_\_\_\_\_

$$\frac{(\frac{1}{5})^7 \cdot (\frac{1}{5})^8 \cdot (\frac{1}{5})^4}{(\frac{1}{5})^{19}}$$

$$\frac{(\frac{4}{5})^{-4} \cdot (\frac{4}{5})^6 \cdot (\frac{4}{5})^{10} \cdot (\frac{4}{5})^9}{(\frac{4}{5})^{11} \cdot (\frac{4}{5})^{-9}}$$

$$\frac{(\frac{1}{3})^5 \cdot (\frac{1}{3})^{-1} \cdot (\frac{1}{3})^{-3}}{(\frac{1}{3})^3}$$

$$\frac{(\frac{4}{7})^{-6} \cdot (\frac{4}{7})^{10} \cdot (\frac{4}{7})^9}{(\frac{4}{7})^{13}}$$

$$\frac{(\frac{3}{7}) \cdot (\frac{3}{7})^5 \cdot (\frac{3}{7})^{-4}}{(\frac{3}{7})^{-9}}$$

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

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

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

$$\frac{(\frac{1}{8})^2 \cdot (\frac{1}{8})^{-3} \cdot (\frac{1}{8})^{10}}{(\frac{1}{8})^9}$$

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

$$\frac{(\frac{1}{8})^2 \cdot (\frac{1}{8})^{11} \cdot (\frac{1}{8})^{-3}}{(\frac{1}{8})^{10}}$$

$$\frac{(\frac{1}{4})^{-3} \cdot (\frac{1}{4})^7 \cdot (\frac{1}{4})^{-8}}{(\frac{1}{4})^3}$$

$$\frac{(\frac{1}{2})^8 \cdot (\frac{1}{2})^{-6} \cdot (\frac{1}{2})^{-2} \cdot (\frac{1}{2})^7}{(\frac{1}{2})^{-1} \cdot (\frac{1}{2})^{-7}}$$

$$\frac{(\frac{4}{7})^{-5} \cdot (\frac{4}{7})^{10} \cdot (\frac{4}{7})^7 \cdot (\frac{4}{7})^4}{(\frac{4}{7})^7 \cdot (\frac{4}{7})^{-7}}$$

$$\frac{(\frac{3}{8})^5 \cdot (\frac{3}{8})^{11} \cdot (\frac{3}{8})^{11}}{(\frac{3}{8})^{-9}}$$