



Simplifying Fraction Exponent Expressions (Division)

Name: _____

Date: _____ Score: _____

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

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

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

$$\frac{\left(\frac{1}{6}\right)^{-10} \cdot \left(\frac{1}{6}\right)^5 \cdot \left(\frac{1}{6}\right)^9 \cdot \left(\frac{1}{6}\right)^5}{\left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^6}$$

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

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

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

$$\frac{\left(\frac{4}{7}\right)^8 \cdot \left(\frac{4}{7}\right)^{-2} \cdot \left(\frac{4}{7}\right)^2 \cdot \left(\frac{4}{7}\right)^{-8}}{\left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^6}$$

$$\frac{\left(\frac{2}{5}\right)^{-5} \cdot \left(\frac{2}{5}\right)^6 \cdot \left(\frac{2}{5}\right)^9 \cdot \left(\frac{2}{5}\right)^5}{\left(\frac{2}{5}\right)^{-6} \cdot \left(\frac{2}{5}\right)^{11}}$$

$$\left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^{-5} \cdot \left(\frac{1}{8}\right)^{-2}$$

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

$$\frac{\left(\frac{3}{7}\right)^{11} \cdot \left(\frac{3}{7}\right)^6 \cdot \left(\frac{3}{7}\right)^4}{\left(\frac{3}{7}\right)^{-1}}$$

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

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

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



Simplifying Fraction Exponent Expressions (Division)

Name: _____

Date: _____ Score: _____

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

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

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

$$\frac{(\frac{1}{6})^{-10} \cdot (\frac{1}{6})^5 \cdot (\frac{1}{6})^9 \cdot (\frac{1}{6})^5}{(\frac{1}{6})^3 \cdot (\frac{1}{6})^6}$$
$$(\frac{1}{6})^0$$

$$\frac{(\frac{1}{7})^{-6} \cdot (\frac{1}{7})^{-3} \cdot (\frac{1}{7})^{-7}}{(\frac{1}{7})^3}$$
$$(\frac{1}{7})^{-19}$$

$$\frac{(\frac{1}{2})^4 \cdot (\frac{1}{2}) \cdot (\frac{1}{2})^9}{(\frac{1}{2})^9}$$
$$(\frac{1}{2})^5$$

$$\frac{(\frac{1}{2})^9 \cdot (\frac{1}{2})^{10} \cdot (\frac{1}{2})^5 \cdot (\frac{1}{2})^{-1}}{(\frac{1}{2})^{-1} \cdot (\frac{1}{2})^5}$$
$$(\frac{1}{2})^{19}$$

$$\frac{(\frac{4}{7})^8 \cdot (\frac{4}{7})^{-2} \cdot (\frac{4}{7})^2 \cdot (\frac{4}{7})^{-8}}{(\frac{4}{7})^{-8} \cdot (\frac{4}{7})^6}$$
$$(\frac{4}{7})^2$$

$$\frac{(\frac{2}{5})^{-5} \cdot (\frac{2}{5})^6 \cdot (\frac{2}{5})^9 \cdot (\frac{2}{5})^5}{(\frac{2}{5})^{-6} \cdot (\frac{2}{5})^{11}}$$
$$(\frac{2}{5})^{10}$$

$$\frac{(\frac{1}{8})^4 \cdot (\frac{1}{8})^{-5} \cdot (\frac{1}{8})^{-2}}{(\frac{1}{8})^{-3}}$$

$$\frac{(\frac{3}{5})^{-7} \cdot (\frac{3}{5}) \cdot (\frac{3}{5})^{-5}}{(\frac{3}{5})^{-11}}$$

$$\frac{(\frac{3}{7})^{11} \cdot (\frac{3}{7})^6 \cdot (\frac{3}{7})^4}{(\frac{3}{7})^{-1}}$$
$$(\frac{3}{7})^{22}$$

$$\frac{(\frac{2}{7})^{-1} \cdot (\frac{2}{7})^9 \cdot (\frac{2}{7})^{11}}{(\frac{2}{7})^{19}}$$

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

$$\frac{(\frac{1}{2})^3 \cdot (\frac{1}{2}) \cdot (\frac{1}{2})^{-4}}{(\frac{1}{2})^0}$$