



분수 지수 단순화 (나눗셈)

이름: _____

날짜: _____ 점수: _____

$$\frac{\left(\frac{3}{5}\right)^9 \cdot \left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^8}{\left(\frac{3}{5}\right)^3}$$

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

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

$$\frac{\left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^7}{\left(\frac{1}{2}\right)^{-4} \cdot \left(\frac{1}{2}\right)^3}$$

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

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

$$\left(\frac{1}{7}\right)^2 \cdot \left(\frac{1}{7}\right)^{-9} \cdot \left(\frac{1}{7}\right)^{-8}$$

$$\frac{\left(\frac{4}{5}\right)^7 \cdot \left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^{-10}}{\left(\frac{4}{5}\right)^7}$$

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

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

$$\frac{\left(\frac{1}{6}\right)^{-7} \cdot \left(\frac{1}{6}\right)^6 \cdot \left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^{-2}}{\left(\frac{1}{6}\right) \cdot \left(\frac{1}{6}\right)^{-5}}$$

$$\frac{\left(\frac{4}{7}\right)^{-9} \cdot \left(\frac{4}{7}\right)^{-2} \cdot \left(\frac{4}{7}\right)^{10} \cdot \left(\frac{4}{7}\right)^2}{\left(\frac{4}{7}\right)^5 \cdot \left(\frac{4}{7}\right)^3}$$

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

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

$$\frac{\left(\frac{3}{5}\right)^9 \cdot \left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^7}{\left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^6}$$



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$$\frac{\left(\frac{3}{5}\right)^9 \cdot \left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^8}{\left(\frac{3}{5}\right)^3}$$
$$\left(\frac{3}{5}\right)^{24}$$

$$\frac{\left(\frac{1}{3}\right)^{-1} \cdot \left(\frac{1}{3}\right)^6 \cdot \left(\frac{1}{3}\right)^{10}}{\left(\frac{1}{3}\right)^2}$$
$$\left(\frac{1}{3}\right)^{13}$$

$$\left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^{-2} \cdot \left(\frac{1}{8}\right)^{-9}$$
$$\left(\frac{1}{8}\right)^{-21}$$

$$\frac{\left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^{-10} \cdot \left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^7}{\left(\frac{1}{2}\right)^{-4} \cdot \left(\frac{1}{2}\right)^3}$$
$$\left(\frac{1}{2}\right)^{12}$$

$$\left(\frac{1}{3}\right)^{-2} \cdot \left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^{-8}$$
$$\left(\frac{1}{3}\right)^{-6}$$

$$\frac{\left(\frac{3}{8}\right)^{-2} \cdot \left(\frac{3}{8}\right)^{10} \cdot \left(\frac{3}{8}\right)^{-3}}{\left(\frac{3}{8}\right)^{10}}$$
$$\left(\frac{3}{8}\right)^{-5}$$

$$\left(\frac{1}{7}\right)^2 \cdot \left(\frac{1}{7}\right)^{-9} \cdot \left(\frac{1}{7}\right)^{-8}$$
$$\left(\frac{1}{7}\right)^{-15}$$

$$\frac{\left(\frac{4}{5}\right)^7 \cdot \left(\frac{4}{5}\right)^{11} \cdot \left(\frac{4}{5}\right)^{-10}}{\left(\frac{4}{5}\right)^7}$$
$$\left(\frac{4}{5}\right)$$

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

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

$$\frac{\left(\frac{1}{6}\right)^{-7} \cdot \left(\frac{1}{6}\right)^6 \cdot \left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^{-2}}{\left(\frac{1}{6}\right) \cdot \left(\frac{1}{6}\right)^{-5}}$$
$$\left(\frac{1}{6}\right)^4$$

$$\frac{\left(\frac{4}{7}\right)^{-9} \cdot \left(\frac{4}{7}\right)^{-2} \cdot \left(\frac{4}{7}\right)^{10} \cdot \left(\frac{4}{7}\right)^2}{\left(\frac{4}{7}\right)^5 \cdot \left(\frac{4}{7}\right)^3}$$
$$\left(\frac{4}{7}\right)^{-7}$$

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

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

$$\frac{\left(\frac{3}{5}\right)^9 \cdot \left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^7}{\left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^6}$$
$$\left(\frac{3}{5}\right)^2$$