



## 分数指数の簡略化(除算)

名前: \_\_\_\_\_

日にち: \_\_\_\_\_ スコア: \_\_\_\_\_

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

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

$$\frac{\left(\frac{1}{9}\right)^3 \cdot \left(\frac{1}{9}\right)^8 \cdot \left(\frac{1}{9}\right)^{-1} \cdot \left(\frac{1}{9}\right)^{11}}{\left(\frac{1}{9}\right) \cdot \left(\frac{1}{9}\right)^{-2}}$$

$$\frac{\left(\frac{2}{3}\right)^5 \cdot \left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^2}{\left(\frac{2}{3}\right)^{-5} \cdot \left(\frac{2}{3}\right)^2}$$

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

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

$$\frac{\left(\frac{4}{5}\right)^{-1} \cdot \left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^{-7}}{\left(\frac{4}{5}\right)^6}$$

$$\left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^9 \cdot \left(\frac{2}{5}\right)^{-3}$$

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

$$\frac{\left(\frac{1}{3}\right)^3 \cdot \left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^9}{\left(\frac{1}{3}\right)^{-1}}$$

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

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

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

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

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



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

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

$$\frac{\left(\frac{1}{9}\right)^3 \cdot \left(\frac{1}{9}\right)^8 \cdot \left(\frac{1}{9}\right)^{-1} \cdot \left(\frac{1}{9}\right)^{11}}{\left(\frac{1}{9}\right) \cdot \left(\frac{1}{9}\right)^{-2}}$$
$$\left(\frac{1}{9}\right)^{22}$$

$$\frac{\left(\frac{2}{3}\right)^5 \cdot \left(\frac{2}{3}\right)^{-10} \cdot \left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^2}{\left(\frac{2}{3}\right)^{-5} \cdot \left(\frac{2}{3}\right)^2}$$
$$\left(\frac{2}{3}\right)^{-1}$$

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

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

$$\frac{\left(\frac{4}{5}\right)^{-1} \cdot \left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^{-7}}{\left(\frac{4}{5}\right)^6}$$
$$\left(\frac{4}{5}\right)^{-23}$$

$$\left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^9 \cdot \left(\frac{2}{5}\right)^{-3}$$
$$\left(\frac{2}{5}\right)^5$$

$$\left(\frac{2}{9}\right)^{-9} \cdot \left(\frac{2}{9}\right)^{-7} \cdot \left(\frac{2}{9}\right)^3$$
$$\left(\frac{2}{9}\right)^{-13}$$

$$\frac{\left(\frac{1}{3}\right)^3 \cdot \left(\frac{1}{3}\right)^{11} \cdot \left(\frac{1}{3}\right)^9}{\left(\frac{1}{3}\right)^{-1}}$$
$$\left(\frac{1}{3}\right)^{24}$$

$$\left(\frac{1}{9}\right)^{-8} \cdot \left(\frac{1}{9}\right)^{-9} \cdot \left(\frac{1}{9}\right)$$
$$\left(\frac{1}{9}\right)^{-16}$$

$$\left(\frac{4}{5}\right)^{-1} \cdot \left(\frac{4}{5}\right)^9 \cdot \left(\frac{4}{5}\right)^5$$
$$\left(\frac{4}{5}\right)^{13}$$

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

$$\left(\frac{3}{8}\right)^3 \cdot \left(\frac{3}{8}\right)^{-9} \cdot \left(\frac{3}{8}\right)^{-10}$$
$$\left(\frac{3}{8}\right)^{-16}$$

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