



分数指数の簡略化(除算)

名前: \_\_\_\_\_

日にち: \_\_\_\_\_ スコア: \_\_\_\_\_

$$\frac{\left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^{-8} \cdot \left(\frac{1}{5}\right)^{-4}}{\left(\frac{1}{5}\right)^9}$$

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

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

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

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

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

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

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

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

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

$$\frac{\left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^6 \cdot \left(\frac{4}{7}\right)^{-1}}{\left(\frac{4}{7}\right)^{-10} \cdot \left(\frac{4}{7}\right)^{-10}}$$

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

$$\frac{\left(\frac{1}{6}\right)^4 \cdot \left(\frac{1}{6}\right)^{-3} \cdot \left(\frac{1}{6}\right)^{11} \cdot \left(\frac{1}{6}\right)^{-4}}{\left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^7}$$

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

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



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$$\frac{\left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^{-8} \cdot \left(\frac{1}{5}\right)^{-4}}{\left(\frac{1}{5}\right)^9}$$

$$\left(\frac{1}{5}\right)^{-14}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\left(\frac{2}{5}\right)^{-12}$$

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

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

$$\frac{\left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^6 \cdot \left(\frac{4}{7}\right)^{-1}}{\left(\frac{4}{7}\right)^{-10} \cdot \left(\frac{4}{7}\right)^{-10}}$$

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

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

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

$$\frac{\left(\frac{1}{6}\right)^4 \cdot \left(\frac{1}{6}\right)^{-3} \cdot \left(\frac{1}{6}\right)^{11} \cdot \left(\frac{1}{6}\right)^{-4}}{\left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^7}$$

$$\left(\frac{1}{6}\right)^6$$

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

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

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

$$\left(\frac{2}{9}\right)^{13}$$