



ลดความซับซ้อนของเลขชี้กำลังเศษส่วน (การหาร)

ชื่อ: _____

วันที่: _____ คะแนน: _____

$$\frac{\left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right) \cdot \left(\frac{2}{5}\right)^{11}}{\left(\frac{2}{5}\right)}$$

$$\frac{\left(\frac{1}{8}\right)^{-2} \cdot \left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^{-8}}{\left(\frac{1}{8}\right)^{-7}}$$

$$\frac{\left(\frac{1}{5}\right)^{-6} \cdot \left(\frac{1}{5}\right)^{-5} \cdot \left(\frac{1}{5}\right)^{-4} \cdot \left(\frac{1}{5}\right)^{-8}}{\left(\frac{1}{5}\right)^{-8} \cdot \left(\frac{1}{5}\right)^5}$$

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

$$\frac{\left(\frac{2}{7}\right)^{11} \cdot \left(\frac{2}{7}\right)^8 \cdot \left(\frac{2}{7}\right)^{11} \cdot \left(\frac{2}{7}\right)^8}{\left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right)^{-3}}$$

$$\left(\frac{4}{9}\right)^{-1} \cdot \left(\frac{4}{9}\right)^{-10} \cdot \left(\frac{4}{9}\right)^{-7}$$

$$\frac{\left(\frac{1}{9}\right)^{-10} \cdot \left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right)^4}{\left(\frac{1}{9}\right)^{-4}}$$

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

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

$$\frac{\left(\frac{1}{9}\right)^{10} \cdot \left(\frac{1}{9}\right)^6 \cdot \left(\frac{1}{9}\right)^6 \cdot \left(\frac{1}{9}\right)^8}{\left(\frac{1}{9}\right) \cdot \left(\frac{1}{9}\right)^9}$$

$$\left(\frac{1}{7}\right)^{10} \cdot \left(\frac{1}{7}\right)^{11} \cdot \left(\frac{1}{7}\right)^{-8}$$

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

$$\frac{\left(\frac{3}{7}\right)^{-3} \cdot \left(\frac{3}{7}\right)^{-6} \cdot \left(\frac{3}{7}\right) \cdot \left(\frac{3}{7}\right)^{-9}}{\left(\frac{3}{7}\right)^{-8} \cdot \left(\frac{3}{7}\right)^{-8}}$$

$$\frac{\left(\frac{4}{7}\right)^8 \cdot \left(\frac{4}{7}\right) \cdot \left(\frac{4}{7}\right)^2 \cdot \left(\frac{4}{7}\right)^{-1}}{\left(\frac{4}{7}\right)^{-10} \cdot \left(\frac{4}{7}\right)^{-3}}$$

$$\frac{\left(\frac{3}{5}\right)^7 \cdot \left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^{-8}}{\left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^8}$$



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$$\frac{\left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right) \cdot \left(\frac{2}{5}\right)^{11}}{\left(\frac{2}{5}\right)}$$

$$\left(\frac{2}{5}\right)^{10}$$

$$\frac{\left(\frac{1}{8}\right)^{-2} \cdot \left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^{-8}}{\left(\frac{1}{8}\right)^{-7}}$$

$$\left(\frac{1}{8}\right)^{-13}$$

$$\frac{\left(\frac{1}{5}\right)^{-6} \cdot \left(\frac{1}{5}\right)^{-5} \cdot \left(\frac{1}{5}\right)^{-4} \cdot \left(\frac{1}{5}\right)^{-8}}{\left(\frac{1}{5}\right)^{-8} \cdot \left(\frac{1}{5}\right)^5}$$

$$\left(\frac{1}{5}\right)^{-20}$$

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

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

$$\frac{\left(\frac{2}{7}\right)^{11} \cdot \left(\frac{2}{7}\right)^8 \cdot \left(\frac{2}{7}\right)^{11} \cdot \left(\frac{2}{7}\right)^8}{\left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right)^{-3}}$$

$$\left(\frac{2}{7}\right)^{48}$$

$$\frac{\left(\frac{4}{9}\right)^{-1} \cdot \left(\frac{4}{9}\right)^{-10} \cdot \left(\frac{4}{9}\right)^{-7}}{\left(\frac{4}{9}\right)^{-18}}$$

$$\frac{\left(\frac{1}{9}\right)^{-10} \cdot \left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right)^4}{\left(\frac{1}{9}\right)^{-4}}$$

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

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

$$\left(\frac{3}{8}\right)^{-26}$$

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

$$\frac{\left(\frac{1}{9}\right)^{10} \cdot \left(\frac{1}{9}\right)^6 \cdot \left(\frac{1}{9}\right)^6 \cdot \left(\frac{1}{9}\right)^8}{\left(\frac{1}{9}\right) \cdot \left(\frac{1}{9}\right)^9}$$

$$\left(\frac{1}{9}\right)^{20}$$

$$\frac{\left(\frac{1}{7}\right)^{10} \cdot \left(\frac{1}{7}\right)^{11} \cdot \left(\frac{1}{7}\right)^{-8}}{\left(\frac{1}{7}\right)^{13}}$$

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

$$\frac{\left(\frac{3}{7}\right)^{-3} \cdot \left(\frac{3}{7}\right)^{-6} \cdot \left(\frac{3}{7}\right) \cdot \left(\frac{3}{7}\right)^{-9}}{\left(\frac{3}{7}\right)^{-8} \cdot \left(\frac{3}{7}\right)^{-8}}$$

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

$$\frac{\left(\frac{4}{7}\right)^8 \cdot \left(\frac{4}{7}\right) \cdot \left(\frac{4}{7}\right)^2 \cdot \left(\frac{4}{7}\right)^{-1}}{\left(\frac{4}{7}\right)^{-10} \cdot \left(\frac{4}{7}\right)^{-3}}$$

$$\left(\frac{4}{7}\right)^{23}$$

$$\frac{\left(\frac{3}{5}\right)^7 \cdot \left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^{-8}}{\left(\frac{3}{5}\right)^{-9} \cdot \left(\frac{3}{5}\right)^8}$$

$$\left(\frac{3}{5}\right)^2$$