



Semplificare gli esponenti delle frazioni (Divisione)

Nome: _____

Data: _____ Punteggio: _____

$$\frac{\left(\frac{2}{3}\right)^{-4} \cdot \left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^2 \cdot \left(\frac{2}{3}\right)^{-5}}{\left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^{11}}$$

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

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

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

$$\frac{\left(\frac{1}{4}\right)^{-6} \cdot \left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^{-2}}{\left(\frac{1}{4}\right)^{-9}}$$

$$\left(\frac{1}{6}\right)^{-9} \cdot \left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^4$$

$$\frac{\left(\frac{1}{7}\right)^8 \cdot \left(\frac{1}{7}\right)^8 \cdot \left(\frac{1}{7}\right) \cdot \left(\frac{1}{7}\right)^{-3}}{\left(\frac{1}{7}\right)^{-5} \cdot \left(\frac{1}{7}\right)^{-6}}$$

$$\frac{\left(\frac{4}{7}\right)^6 \cdot \left(\frac{4}{7}\right)^{10} \cdot \left(\frac{4}{7}\right)^{-1}}{\left(\frac{4}{7}\right)^{-5}}$$

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

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

$$\frac{\left(\frac{2}{7}\right)^{-9} \cdot \left(\frac{2}{7}\right) \cdot \left(\frac{2}{7}\right)^3 \cdot \left(\frac{2}{7}\right)^{-10}}{\left(\frac{2}{7}\right)^{-1} \cdot \left(\frac{2}{7}\right)^{-5}}$$

$$\frac{\left(\frac{1}{9}\right)^9 \cdot \left(\frac{1}{9}\right)^{-7} \cdot \left(\frac{1}{9}\right)^{-3} \cdot \left(\frac{1}{9}\right)^{-7}}{\left(\frac{1}{9}\right)^4 \cdot \left(\frac{1}{9}\right)^9}$$

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

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

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



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$$\frac{\left(\frac{2}{3}\right)^{-4} \cdot \left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^2 \cdot \left(\frac{2}{3}\right)^{-5}}{\left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^{11}} \quad \left(\frac{2}{3}\right)^{-13}$$

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

$$\frac{\left(\frac{1}{6}\right)^{-9} \cdot \left(\frac{1}{6}\right)^7 \cdot \left(\frac{1}{6}\right)^5}{\left(\frac{1}{6}\right)} \quad \left(\frac{1}{6}\right)^2$$

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

$$\frac{\left(\frac{1}{4}\right)^{-6} \cdot \left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^{-2}}{\left(\frac{1}{4}\right)^{-9}} \quad \left(\frac{1}{4}\right)^3$$

$$\frac{\left(\frac{1}{6}\right)^{-9} \cdot \left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^4}{\left(\frac{1}{6}\right)^{-2}} \quad \left(\frac{1}{6}\right)^{-2}$$

$$\frac{\left(\frac{1}{7}\right)^8 \cdot \left(\frac{1}{7}\right)^8 \cdot \left(\frac{1}{7}\right) \cdot \left(\frac{1}{7}\right)^{-3}}{\left(\frac{1}{7}\right)^{-5} \cdot \left(\frac{1}{7}\right)^{-6}} \quad \left(\frac{1}{7}\right)^{25}$$

$$\frac{\left(\frac{4}{7}\right)^6 \cdot \left(\frac{4}{7}\right)^{10} \cdot \left(\frac{4}{7}\right)^{-1}}{\left(\frac{4}{7}\right)^{-5}} \quad \left(\frac{4}{7}\right)^{20}$$

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

$$\frac{\left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^{11}}{\left(\frac{1}{3}\right)^{29}} \quad \left(\frac{1}{3}\right)^{29}$$

$$\frac{\left(\frac{2}{7}\right)^{-9} \cdot \left(\frac{2}{7}\right) \cdot \left(\frac{2}{7}\right)^3 \cdot \left(\frac{2}{7}\right)^{-10}}{\left(\frac{2}{7}\right)^{-1} \cdot \left(\frac{2}{7}\right)^{-5}} \quad \left(\frac{2}{7}\right)^{-9}$$

$$\frac{\left(\frac{1}{9}\right)^9 \cdot \left(\frac{1}{9}\right)^{-7} \cdot \left(\frac{1}{9}\right)^{-3} \cdot \left(\frac{1}{9}\right)^{-7}}{\left(\frac{1}{9}\right)^4 \cdot \left(\frac{1}{9}\right)^9} \quad \left(\frac{1}{9}\right)^{-21}$$

$$\frac{\left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{-1} \cdot \left(\frac{1}{2}\right)^{-2}}{\left(\frac{1}{2}\right)^{-9}} \quad \left(\frac{1}{2}\right)^{-9}$$

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

$$\frac{\left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^5 \cdot \left(\frac{3}{5}\right)^{-4}}{\left(\frac{3}{5}\right)^{11}} \quad \left(\frac{3}{5}\right)^{11}$$