



Förenkling av fraktionsexponenter (multiplikation)

namn: _____

Datum: _____ Poäng: _____

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

$$\left(\frac{1}{9}\right)^{10} \cdot \left(\frac{1}{9}\right)^3 \cdot \left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^{-1}$$

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

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

$$\left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^7 \cdot \left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)$$

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

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

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

$$\left(\frac{1}{6}\right)^{11} \cdot \left(\frac{1}{6}\right)^{-10} \cdot \left(\frac{1}{6}\right)^4$$

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

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

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

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

$$\left(\frac{2}{9}\right)^{11} \cdot \left(\frac{2}{9}\right)^3 \cdot \left(\frac{2}{9}\right)^4 \cdot \left(\frac{2}{9}\right)^{-8}$$

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



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

$$\left(\frac{1}{9}\right)^{10} \cdot \left(\frac{1}{9}\right)^3 \cdot \left(\frac{1}{9}\right)^{11} \cdot \left(\frac{1}{9}\right)^{-1}$$
$$\left(\frac{1}{9}\right)^{23}$$

$$\left(\frac{4}{9}\right)^{-2} \cdot \left(\frac{4}{9}\right)^{-5} \cdot \left(\frac{4}{9}\right)^{-4}$$
$$\left(\frac{4}{9}\right)^{-11}$$

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

$$\left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^7 \cdot \left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)$$
$$\left(\frac{1}{4}\right)^{30}$$

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

$$\left(\frac{1}{9}\right)^7 \cdot \left(\frac{1}{9}\right)^9 \cdot \left(\frac{1}{9}\right)^{-2}$$
$$\left(\frac{1}{9}\right)^{14}$$

$$\left(\frac{3}{8}\right)^{10} \cdot \left(\frac{3}{8}\right)^2$$
$$\left(\frac{3}{8}\right)^{12}$$

$$\left(\frac{1}{6}\right)^{11} \cdot \left(\frac{1}{6}\right)^{-10} \cdot \left(\frac{1}{6}\right)^4$$
$$\left(\frac{1}{6}\right)^5$$

$$\left(\frac{1}{4}\right)^{-5} \cdot \left(\frac{1}{4}\right)^{-3}$$
$$\left(\frac{1}{4}\right)^{-8}$$

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

$$\left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-10} \cdot \left(\frac{1}{3}\right)^{-2} \cdot \left(\frac{1}{3}\right)^3$$
$$\left(\frac{1}{3}\right)^{-15}$$

$$\left(\frac{2}{9}\right)^9 \cdot \left(\frac{2}{9}\right)^4$$
$$\left(\frac{2}{9}\right)^{13}$$

$$\left(\frac{2}{9}\right)^{11} \cdot \left(\frac{2}{9}\right)^3 \cdot \left(\frac{2}{9}\right)^4 \cdot \left(\frac{2}{9}\right)^{-8}$$
$$\left(\frac{2}{9}\right)^{10}$$

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