



Förenkling av fraktionsexponenter (multiplikation)

namn: _____

Datum: _____ Poäng: _____

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

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

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

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

$$\left(\frac{1}{9}\right)^6 \cdot \left(\frac{1}{9}\right)^{-7} \cdot \left(\frac{1}{9}\right)^{10}$$

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

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

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

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

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

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

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

$$\left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^{-2} \cdot \left(\frac{1}{3}\right)^{-8}$$

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

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



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$$\left(\frac{4}{9}\right) \cdot \left(\frac{4}{9}\right)^5 \cdot \left(\frac{4}{9}\right)^7 \cdot \left(\frac{4}{9}\right)^{-1}$$
$$\left(\frac{4}{9}\right)^{12}$$

$$\left(\frac{1}{5}\right)^{11} \cdot \left(\frac{1}{5}\right)^3 \cdot \left(\frac{1}{5}\right)^4$$
$$\left(\frac{1}{5}\right)^{18}$$

$$\left(\frac{1}{7}\right)^{-5} \cdot \left(\frac{1}{7}\right)^{-5} \cdot \left(\frac{1}{7}\right)^{-7} \cdot \left(\frac{1}{7}\right)^{-1}$$
$$\left(\frac{1}{7}\right)^{-18}$$

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

$$\left(\frac{1}{9}\right)^6 \cdot \left(\frac{1}{9}\right)^{-7} \cdot \left(\frac{1}{9}\right)^{10}$$
$$\left(\frac{1}{9}\right)^9$$

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

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

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

$$\left(\frac{1}{6}\right)^{-4} \cdot \left(\frac{1}{6}\right)^{-1} \cdot \left(\frac{1}{6}\right)^{-6} \cdot \left(\frac{1}{6}\right)^{11}$$
$$\left(\frac{1}{6}\right)^0$$

$$\left(\frac{3}{7}\right)^{-9} \cdot \left(\frac{3}{7}\right)^{-5}$$
$$\left(\frac{3}{7}\right)^{-14}$$

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

$$\left(\frac{3}{8}\right)^{-5} \cdot \left(\frac{3}{8}\right)^3$$
$$\left(\frac{3}{8}\right)^{-2}$$

$$\left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^{-2} \cdot \left(\frac{1}{3}\right)^{-8}$$
$$\left(\frac{1}{3}\right)^{-6}$$

$$\left(\frac{3}{7}\right)^4 \cdot \left(\frac{3}{7}\right)^8 \cdot \left(\frac{3}{7}\right)^{-10} \cdot \left(\frac{3}{7}\right)^{-7}$$
$$\left(\frac{3}{7}\right)^{-5}$$

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