



Simplificando os expoentes de fração
(multiplicação)

Nome: _____

Encontro: Data: _____ Pontuação: _____

$$\left(\frac{1}{7}\right)^{10} \cdot \left(\frac{1}{7}\right)^6 \cdot \left(\frac{1}{7}\right)^3$$

$$\left(\frac{2}{7}\right)^8 \cdot \left(\frac{2}{7}\right)^6 \cdot \left(\frac{2}{7}\right)^7 \cdot \left(\frac{2}{7}\right)^{-4}$$

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

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

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

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

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

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

$$\left(\frac{1}{4}\right)^6 \cdot \left(\frac{1}{4}\right)^3 \cdot \left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^{11}$$

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

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

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

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

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

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



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$$\left(\frac{1}{7}\right)^{10} \cdot \left(\frac{1}{7}\right)^6 \cdot \left(\frac{1}{7}\right)^3$$
$$\left(\frac{1}{7}\right)^{19}$$

$$\left(\frac{2}{7}\right)^8 \cdot \left(\frac{2}{7}\right)^6 \cdot \left(\frac{2}{7}\right)^7 \cdot \left(\frac{2}{7}\right)^{-4}$$
$$\left(\frac{2}{7}\right)^{17}$$

$$\left(\frac{1}{3}\right)^2 \cdot \left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-9} \cdot \left(\frac{1}{3}\right)$$
$$\left(\frac{1}{3}\right)^{-12}$$

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

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

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

$$\left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^{11}$$
$$\left(\frac{1}{2}\right)^{30}$$

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

$$\left(\frac{1}{4}\right)^6 \cdot \left(\frac{1}{4}\right)^3 \cdot \left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^{11}$$
$$\left(\frac{1}{4}\right)^{10}$$

$$\left(\frac{3}{8}\right)^{-10} \cdot \left(\frac{3}{8}\right)^{10}$$
$$\left(\frac{3}{8}\right)^0$$

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

$$\left(\frac{1}{5}\right)^6 \cdot \left(\frac{1}{5}\right)^9$$
$$\left(\frac{1}{5}\right)^{15}$$

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

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

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