



Simplificando os expoentes de fração
(multiplicação)

Nome: _____

Encontro: Data: _____ Pontuação: _____

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

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

$$\left(\frac{2}{5}\right)^{-10} \cdot \left(\frac{2}{5}\right)^4$$

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

$$\left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right) \cdot \left(\frac{1}{9}\right)^8 \cdot \left(\frac{1}{9}\right)^{-10}$$

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

$$\left(\frac{2}{7}\right)^{-2} \cdot \left(\frac{2}{7}\right)^{-5} \cdot \left(\frac{2}{7}\right)^4$$

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

$$\left(\frac{2}{7}\right)^{-8} \cdot \left(\frac{2}{7}\right)^9$$

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

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

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

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

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

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



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

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

$$\left(\frac{2}{5}\right)^{-10} \cdot \left(\frac{2}{5}\right)^4$$
$$\left(\frac{2}{5}\right)^{-6}$$

$$\left(\frac{1}{5}\right)^{-9} \cdot \left(\frac{1}{5}\right)^5 \cdot \left(\frac{1}{5}\right)^{-8}$$
$$\left(\frac{1}{5}\right)^{-12}$$

$$\left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right) \cdot \left(\frac{1}{9}\right)^8 \cdot \left(\frac{1}{9}\right)^{-10}$$
$$\left(\frac{1}{9}\right)^4$$

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

$$\left(\frac{2}{7}\right)^{-2} \cdot \left(\frac{2}{7}\right)^{-5} \cdot \left(\frac{2}{7}\right)^4$$
$$\left(\frac{2}{7}\right)^{-3}$$

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

$$\left(\frac{2}{7}\right)^{-8} \cdot \left(\frac{2}{7}\right)^9$$
$$\left(\frac{2}{7}\right)$$

$$\left(\frac{2}{5}\right)^{-2} \cdot \left(\frac{2}{5}\right)^5 \cdot \left(\frac{2}{5}\right)^{11}$$
$$\left(\frac{2}{5}\right)^{14}$$

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

$$\left(\frac{1}{3}\right)^{-8} \cdot \left(\frac{1}{3}\right)^{-10}$$
$$\left(\frac{1}{3}\right)^{-18}$$

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

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

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