



## Förenkling av fraktionsexponenter (multiplikation)

namn: \_\_\_\_\_

Datum: \_\_\_\_\_ Poäng: \_\_\_\_\_

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

$$\left(\frac{4}{7}\right)^{-6} \cdot \left(\frac{4}{7}\right)^{-2} \cdot \left(\frac{4}{7}\right)^9 \cdot \left(\frac{4}{7}\right)^{11}$$

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

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

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

$$\left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^6$$

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

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

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

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

$$\left(\frac{2}{5}\right)^{-6} \cdot \left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^{11}$$

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

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

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

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



namn: \_\_\_\_\_

Datum: \_\_\_\_\_ Poäng: \_\_\_\_\_

$$\left(\frac{1}{2}\right)^{-9} \cdot \left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{-6}$$
$$\left(\frac{1}{2}\right)^{-21}$$

$$\left(\frac{4}{7}\right)^{-6} \cdot \left(\frac{4}{7}\right)^{-2} \cdot \left(\frac{4}{7}\right)^9 \cdot \left(\frac{4}{7}\right)^{11}$$
$$\left(\frac{4}{7}\right)^{12}$$

$$\left(\frac{3}{8}\right) \cdot \left(\frac{3}{8}\right)^{10} \cdot \left(\frac{3}{8}\right)^{10}$$
$$\left(\frac{3}{8}\right)^{21}$$

$$\left(\frac{4}{9}\right)^{-4} \cdot \left(\frac{4}{9}\right)^{-3} \cdot \left(\frac{4}{9}\right)^{-3} \cdot \left(\frac{4}{9}\right)^{10}$$
$$\left(\frac{4}{9}\right)^0$$

$$\left(\frac{4}{5}\right) \cdot \left(\frac{4}{5}\right)^{-1}$$
$$\left(\frac{4}{5}\right)^0$$

$$\left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^6$$
$$\left(\frac{3}{5}\right)^{13}$$

$$\left(\frac{2}{3}\right) \cdot \left(\frac{2}{3}\right)^{-8} \cdot \left(\frac{2}{3}\right)^{-8}$$
$$\left(\frac{2}{3}\right)^{-15}$$

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

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

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

$$\left(\frac{2}{5}\right)^{-6} \cdot \left(\frac{2}{5}\right)^{-1} \cdot \left(\frac{2}{5}\right)^{11}$$
$$\left(\frac{2}{5}\right)^4$$

$$\left(\frac{1}{3}\right)^{-2} \cdot \left(\frac{1}{3}\right)^{-10} \cdot \left(\frac{1}{3}\right) \cdot \left(\frac{1}{3}\right)^6$$
$$\left(\frac{1}{3}\right)^{-5}$$

$$\left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^{10}$$
$$\left(\frac{1}{2}\right)^{22}$$

$$\left(\frac{1}{8}\right)^{10} \cdot \left(\frac{1}{8}\right)^{-6}$$
$$\left(\frac{1}{8}\right)^4$$

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