



## Forenkling av brøkeksponenter (multiplikasjon)

StudentName: \_\_\_\_\_

ExamDate: \_\_\_\_\_ ExamScore: \_\_\_\_\_

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

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

$$\left(\frac{1}{4}\right)^{-3} \cdot \left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^{-4} \cdot \left(\frac{1}{4}\right)^9$$

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

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

$$\left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^{-8} \cdot \left(\frac{3}{5}\right)^{11}$$

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

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

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

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

$$\left(\frac{2}{9}\right)^{-3} \cdot \left(\frac{2}{9}\right)^{-7} \cdot \left(\frac{2}{9}\right)^{-1}$$

$$\left(\frac{1}{5}\right)^{-7} \cdot \left(\frac{1}{5}\right)^4 \cdot \left(\frac{1}{5}\right)^{10}$$

$$\left(\frac{1}{4}\right)^5 \cdot \left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^{-9} \cdot \left(\frac{1}{4}\right)^{-2}$$

$$\left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{11} \cdot \left(\frac{1}{7}\right)^4$$

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



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$$\left(\frac{3}{8}\right)^{-1} \cdot \left(\frac{3}{8}\right)^{-4} \cdot \left(\frac{3}{8}\right)^{10}$$
$$\left(\frac{3}{8}\right)^5$$

$$\left(\frac{3}{5}\right)^{-8} \cdot \left(\frac{3}{5}\right)^{-6} \cdot \left(\frac{3}{5}\right)^{-7}$$
$$\left(\frac{3}{5}\right)^{-21}$$

$$\left(\frac{1}{4}\right)^{-3} \cdot \left(\frac{1}{4}\right)^{-10} \cdot \left(\frac{1}{4}\right)^{-4} \cdot \left(\frac{1}{4}\right)^9$$
$$\left(\frac{1}{4}\right)^{-8}$$

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

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

$$\left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^{-8} \cdot \left(\frac{3}{5}\right)^{11}$$
$$\left(\frac{3}{5}\right)^0$$

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

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

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

$$\left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^{11}$$
$$\left(\frac{1}{2}\right)^{43}$$

$$\left(\frac{2}{9}\right)^{-3} \cdot \left(\frac{2}{9}\right)^{-7} \cdot \left(\frac{2}{9}\right)^{-1}$$
$$\left(\frac{2}{9}\right)^{-11}$$

$$\left(\frac{1}{5}\right)^{-7} \cdot \left(\frac{1}{5}\right)^4 \cdot \left(\frac{1}{5}\right)^{10}$$
$$\left(\frac{1}{5}\right)^7$$

$$\left(\frac{1}{4}\right)^5 \cdot \left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^{-9} \cdot \left(\frac{1}{4}\right)^{-2}$$
$$\left(\frac{1}{4}\right)^5$$

$$\left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{11} \cdot \left(\frac{1}{7}\right)^4$$
$$\left(\frac{1}{7}\right)^{24}$$

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