

## Forenkling av brøkeksponenter (divisjon)

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

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

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

$$\frac{\left(\frac{4}{9}\right)^3 \cdot \left(\frac{4}{9}\right)^{11} \cdot \left(\frac{4}{9}\right)^2}{\left(\frac{4}{9}\right)^{-5}}$$

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

$$\frac{\left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^7}{\left(\frac{1}{2}\right)^9}$$

$$\frac{\left(\frac{4}{9}\right) \cdot \left(\frac{4}{9}\right)^{-2} \cdot \left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^{10}}{\left(\frac{4}{9}\right)^{-5} \cdot \left(\frac{4}{9}\right)^{-5}}$$

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

$$\frac{\left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^4}{\left(\frac{1}{3}\right)^{-5}}$$

$$\left(\frac{1}{4}\right)^{-2} \cdot \left(\frac{1}{4}\right)^7 \cdot \left(\frac{1}{4}\right)^{10}$$

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

$$\frac{\left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^2 \cdot \left(\frac{1}{6}\right)^{-2}}{\left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^{-8}}$$

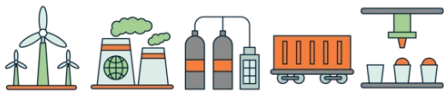
$$\left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^{-5} \cdot \left(\frac{2}{3}\right)^{-10}$$

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

$$\left(\frac{2}{5}\right)^{-4} \cdot \left(\frac{2}{5}\right)^{-9} \cdot \left(\frac{2}{5}\right)^6$$

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

$$\frac{\left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^{-6} \cdot \left(\frac{1}{7}\right)^4}{\left(\frac{1}{7}\right)^{-4} \cdot \left(\frac{1}{7}\right)^{10}}$$



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

$$\frac{\left(\frac{4}{9}\right)^3 \cdot \left(\frac{4}{9}\right)^{11} \cdot \left(\frac{4}{9}\right)^2}{\left(\frac{4}{9}\right)^{-5}} \left(\frac{4}{9}\right)^{21}$$

$$\frac{\left(\frac{1}{8}\right)^9 \cdot \left(\frac{1}{8}\right)^{10} \cdot \left(\frac{1}{8}\right)^9}{\left(\frac{1}{8}\right)^{28}}$$

$$\frac{\left(\frac{1}{2}\right)^{10} \cdot \left(\frac{1}{2}\right)^9 \cdot \left(\frac{1}{2}\right)^7}{\left(\frac{1}{2}\right)^9} \left(\frac{1}{2}\right)^{17}$$

$$\frac{\left(\frac{4}{9}\right) \cdot \left(\frac{4}{9}\right)^{-2} \cdot \left(\frac{4}{9}\right)^{-8} \cdot \left(\frac{4}{9}\right)^{10}}{\left(\frac{4}{9}\right)^{-5} \cdot \left(\frac{4}{9}\right)^{-5}} \left(\frac{4}{9}\right)^{11}$$

$$\frac{\left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^{-2}}{\left(\frac{4}{5}\right)^{-20}}$$

$$\frac{\left(\frac{1}{3}\right)^{-6} \cdot \left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^4}{\left(\frac{1}{3}\right)^{-5}} \left(\frac{1}{3}\right)^{-4}$$

$$\frac{\left(\frac{1}{4}\right)^{-2} \cdot \left(\frac{1}{4}\right)^7 \cdot \left(\frac{1}{4}\right)^{10}}{\left(\frac{1}{4}\right)^{15}}$$

$$\frac{\left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^7 \cdot \left(\frac{3}{5}\right)^4}{\left(\frac{3}{5}\right)^{-2}} \left(\frac{3}{5}\right)^{10}$$

$$\frac{\left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^{-5} \cdot \left(\frac{1}{6}\right)^2 \cdot \left(\frac{1}{6}\right)^{-2}}{\left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^{-8}} \left(\frac{1}{6}\right)^{-2}$$

$$\frac{\left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^{-5} \cdot \left(\frac{2}{3}\right)^{-10}}{\left(\frac{2}{3}\right)^{-11}}$$

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

$$\frac{\left(\frac{2}{5}\right)^{-4} \cdot \left(\frac{2}{5}\right)^{-9} \cdot \left(\frac{2}{5}\right)^6}{\left(\frac{2}{5}\right)^{-7}}$$

$$\frac{\left(\frac{1}{7}\right)^{-4} \cdot \left(\frac{1}{7}\right)^{-7} \cdot \left(\frac{1}{7}\right)^{-7}}{\left(\frac{1}{7}\right)^{11}} \left(\frac{1}{7}\right)^{-29}$$

$$\frac{\left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^{-6} \cdot \left(\frac{1}{7}\right)^4}{\left(\frac{1}{7}\right)^{-4} \cdot \left(\frac{1}{7}\right)^{10}} \left(\frac{1}{7}\right)^{-2}$$