

भिन्न घातांक को सरल बनाना (भाग)

नाम: _____

दिनांक: _____ स्कोर: _____

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

$$\frac{\left(\frac{3}{5}\right)^{-4} \cdot \left(\frac{3}{5}\right)^{-6} \cdot \left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^{-1}}{\left(\frac{3}{5}\right)^6 \cdot \left(\frac{3}{5}\right)^9}$$

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

$$\frac{\left(\frac{3}{5}\right) \cdot \left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^{-6}}{\left(\frac{3}{5}\right)^{-2} \cdot \left(\frac{3}{5}\right)^4}$$

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

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

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

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

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

$$\frac{\left(\frac{1}{3}\right)^{-5} \cdot \left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^{11}}{\left(\frac{1}{3}\right)^{11}}$$

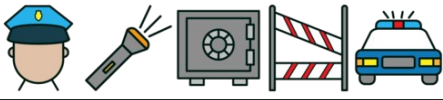
$$\frac{\left(\frac{3}{7}\right)^{-9} \cdot \left(\frac{3}{7}\right)^{-4} \cdot \left(\frac{3}{7}\right)^{-2}}{\left(\frac{3}{7}\right)^3}$$

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

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

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

$$\frac{\left(\frac{4}{5}\right)^6 \cdot \left(\frac{4}{5}\right)^{10} \cdot \left(\frac{4}{5}\right)^{-2} \cdot \left(\frac{4}{5}\right)^{-9}}{\left(\frac{4}{5}\right)^8 \cdot \left(\frac{4}{5}\right)^{-5}}$$



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$$\frac{\left(\frac{1}{3}\right)^6 \cdot \left(\frac{1}{3}\right)^{10} \cdot \left(\frac{1}{3}\right)^9}{\left(\frac{1}{3}\right)^{25}}$$

$$\frac{\left(\frac{3}{5}\right)^{-4} \cdot \left(\frac{3}{5}\right)^{-6} \cdot \left(\frac{3}{5}\right)^{11} \cdot \left(\frac{3}{5}\right)^{-1}}{\left(\frac{3}{5}\right)^6 \cdot \left(\frac{3}{5}\right)^9} \left(\frac{3}{5}\right)^{-15}$$

$$\frac{\left(\frac{3}{7}\right)^5 \cdot \left(\frac{3}{7}\right)^{-6} \cdot \left(\frac{3}{7}\right)^7}{\left(\frac{3}{7}\right)^{-8}} \left(\frac{3}{7}\right)^{14}$$

$$\frac{\left(\frac{3}{5}\right) \cdot \left(\frac{3}{5}\right)^{-3} \cdot \left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^{-6}}{\left(\frac{3}{5}\right)^{-2} \cdot \left(\frac{3}{5}\right)^4} \left(\frac{3}{5}\right)^0$$

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

$$\frac{\left(\frac{2}{9}\right)^{-2} \cdot \left(\frac{2}{9}\right)^{10} \cdot \left(\frac{2}{9}\right)^4}{\left(\frac{2}{9}\right)^{12}}$$

$$\frac{\left(\frac{3}{8}\right)^{-8} \cdot \left(\frac{3}{8}\right)^{-4} \cdot \left(\frac{3}{8}\right)^{-4}}{\left(\frac{3}{8}\right)^{-16}}$$

$$\frac{\left(\frac{2}{3}\right)^{-1} \cdot \left(\frac{2}{3}\right)^3 \cdot \left(\frac{2}{3}\right)^5}{\left(\frac{2}{3}\right)^7}$$

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

$$\frac{\left(\frac{1}{3}\right)^{-5} \cdot \left(\frac{1}{3}\right)^4 \cdot \left(\frac{1}{3}\right)^{11}}{\left(\frac{1}{3}\right)^{11}} \left(\frac{1}{3}\right)^{-1}$$

$$\frac{\left(\frac{3}{7}\right)^{-9} \cdot \left(\frac{3}{7}\right)^{-4} \cdot \left(\frac{3}{7}\right)^{-2}}{\left(\frac{3}{7}\right)^3} \left(\frac{3}{7}\right)^{-18}$$

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

$$\frac{\left(\frac{2}{9}\right)^{-5} \cdot \left(\frac{2}{9}\right)^{-2} \cdot \left(\frac{2}{9}\right)^{-5}}{\left(\frac{2}{9}\right)^{-12}}$$

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

$$\frac{\left(\frac{4}{5}\right)^6 \cdot \left(\frac{4}{5}\right)^{10} \cdot \left(\frac{4}{5}\right)^{-2} \cdot \left(\frac{4}{5}\right)^{-9}}{\left(\frac{4}{5}\right)^8 \cdot \left(\frac{4}{5}\right)^{-5}} \left(\frac{4}{5}\right)^2$$