



भिन्न घातांक को सरल बनाना (गुणा)

नाम: _____

दिनांक: _____ स्कोर: _____

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

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

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

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

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

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

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

$$\left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right)^2 \cdot \left(\frac{1}{2}\right)^8 \cdot \left(\frac{1}{2}\right)^{-9}$$

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

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

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

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

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

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

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



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

$$\left(\frac{2}{3}\right)^{-7} \cdot \left(\frac{2}{3}\right)^{-7} \cdot \left(\frac{2}{3}\right)^{-4} \cdot \left(\frac{2}{3}\right)^7$$
$$\left(\frac{2}{3}\right)^{-11}$$

$$\left(\frac{1}{6}\right)^{-8} \cdot \left(\frac{1}{6}\right)^{-4} \cdot \left(\frac{1}{6}\right)^{10}$$
$$\left(\frac{1}{6}\right)^{-2}$$

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

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

$$\left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^5$$
$$\left(\frac{3}{5}\right)^{15}$$

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

$$\left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right)^2 \cdot \left(\frac{1}{2}\right)^8 \cdot \left(\frac{1}{2}\right)^{-9}$$
$$\left(\frac{1}{2}\right)^2$$

$$\left(\frac{4}{7}\right)^{-6} \cdot \left(\frac{4}{7}\right)^2 \cdot \left(\frac{4}{7}\right)^{-5} \cdot \left(\frac{4}{7}\right)$$
$$\left(\frac{4}{7}\right)^{-8}$$

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

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

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

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

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

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