



اسم: _____

التاريخ: _____ النتيجة _____

$$\frac{\left(\frac{3}{8}\right)^7 \cdot \left(\frac{3}{8}\right)^{-5} \cdot \left(\frac{3}{8}\right)^{-9} \cdot \left(\frac{3}{8}\right)^5}{\left(\frac{3}{8}\right)^{-1} \cdot \left(\frac{3}{8}\right)}$$

$$\frac{\left(\frac{2}{7}\right)^{-10} \cdot \left(\frac{2}{7}\right)^{-4} \cdot \left(\frac{2}{7}\right)^{-10} \cdot \left(\frac{2}{7}\right)^9}{\left(\frac{2}{7}\right)^{11} \cdot \left(\frac{2}{7}\right)^{-2}}$$

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

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

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

$$\frac{\left(\frac{4}{5}\right) \cdot \left(\frac{4}{5}\right)^2 \cdot \left(\frac{4}{5}\right)^{-1} \cdot \left(\frac{4}{5}\right)^8}{\left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^{-6}}$$

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

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

$$\frac{\left(\frac{3}{7}\right) \cdot \left(\frac{3}{7}\right)^2 \cdot \left(\frac{3}{7}\right)^{-6} \cdot \left(\frac{3}{7}\right)^{10}}{\left(\frac{3}{7}\right)^{-2} \cdot \left(\frac{3}{7}\right)^{-5}}$$

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

$$\left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^8 \cdot \left(\frac{1}{3}\right)^{-2}$$

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

$$\frac{\left(\frac{2}{7}\right)^{-6} \cdot \left(\frac{2}{7}\right)^6 \cdot \left(\frac{2}{7}\right)^{-1} \cdot \left(\frac{2}{7}\right)^{-1}}{\left(\frac{2}{7}\right)^8 \cdot \left(\frac{2}{7}\right)^{-10}}$$

$$\frac{\left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^{-1}}{\left(\frac{1}{7}\right)^8}$$

$$\frac{\left(\frac{4}{7}\right)^{-6} \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^6 \cdot \left(\frac{4}{7}\right)^3}{\left(\frac{4}{7}\right)^{-5} \cdot \left(\frac{4}{7}\right)^{-7}}$$



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$$\frac{\left(\frac{3}{8}\right)^7 \cdot \left(\frac{3}{8}\right)^{-5} \cdot \left(\frac{3}{8}\right)^{-9} \cdot \left(\frac{3}{8}\right)^5}{\left(\frac{3}{8}\right)^{-1} \cdot \left(\frac{3}{8}\right)} = \left(\frac{3}{8}\right)^{-2}$$

$$\frac{\left(\frac{2}{7}\right)^{-10} \cdot \left(\frac{2}{7}\right)^{-4} \cdot \left(\frac{2}{7}\right)^{-10} \cdot \left(\frac{2}{7}\right)^9}{\left(\frac{2}{7}\right)^{11} \cdot \left(\frac{2}{7}\right)^{-2}} = \left(\frac{2}{7}\right)^{-24}$$

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

$$\frac{\left(\frac{2}{5}\right)^9 \cdot \left(\frac{2}{5}\right)^8 \cdot \left(\frac{2}{5}\right)^{-2}}{\left(\frac{2}{5}\right)^{-4}} = \left(\frac{2}{5}\right)^{19}$$

$$\frac{\left(\frac{2}{7}\right)^{-5} \cdot \left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right)^{-5}}{\left(\frac{2}{7}\right)^3} = \left(\frac{2}{7}\right)^{-20}$$

$$\frac{\left(\frac{4}{5}\right) \cdot \left(\frac{4}{5}\right)^2 \cdot \left(\frac{4}{5}\right)^{-1} \cdot \left(\frac{4}{5}\right)^8}{\left(\frac{4}{5}\right)^{-9} \cdot \left(\frac{4}{5}\right)^{-6}} = \left(\frac{4}{5}\right)^{25}$$

$$\frac{\left(\frac{1}{4}\right)^{-2} \cdot \left(\frac{1}{4}\right)^{10} \cdot \left(\frac{1}{4}\right)^{10}}{\left(\frac{1}{4}\right)^{-7}} = \left(\frac{1}{4}\right)^{25}$$

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

$$\frac{\left(\frac{3}{7}\right) \cdot \left(\frac{3}{7}\right)^2 \cdot \left(\frac{3}{7}\right)^{-6} \cdot \left(\frac{3}{7}\right)^{10}}{\left(\frac{3}{7}\right)^{-2} \cdot \left(\frac{3}{7}\right)^{-5}} = \left(\frac{3}{7}\right)^{14}$$

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

$$\left(\frac{1}{3}\right)^{-7} \cdot \left(\frac{1}{3}\right)^8 \cdot \left(\frac{1}{3}\right)^{-2} = \left(\frac{1}{3}\right)^{-1}$$

$$\frac{\left(\frac{4}{9}\right)^6 \cdot \left(\frac{4}{9}\right)^6 \cdot \left(\frac{4}{9}\right)^{-2} \cdot \left(\frac{4}{9}\right)^8}{\left(\frac{4}{9}\right)^{-4} \cdot \left(\frac{4}{9}\right)^9} = \left(\frac{4}{9}\right)^{13}$$

$$\frac{\left(\frac{2}{7}\right)^{-6} \cdot \left(\frac{2}{7}\right)^6 \cdot \left(\frac{2}{7}\right)^{-1} \cdot \left(\frac{2}{7}\right)^{-1}}{\left(\frac{2}{7}\right)^8 \cdot \left(\frac{2}{7}\right)^{-10}} = \left(\frac{2}{7}\right)^0$$

$$\frac{\left(\frac{1}{7}\right)^9 \cdot \left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^{-1}}{\left(\frac{1}{7}\right)^8} = \left(\frac{1}{7}\right)^{-3}$$

$$\frac{\left(\frac{4}{7}\right)^{-6} \cdot \left(\frac{4}{7}\right)^{-8} \cdot \left(\frac{4}{7}\right)^6 \cdot \left(\frac{4}{7}\right)^3}{\left(\frac{4}{7}\right)^{-5} \cdot \left(\frac{4}{7}\right)^{-7}} = \left(\frac{4}{7}\right)^7$$