



Nome: _____

Data: _____ Punteggio: _____

$$\frac{\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^7 \cdot \left(\frac{4}{5}\right)^5}{\left(\frac{4}{5}\right)^{-6}}$$

$$\frac{\left(\frac{4}{9}\right)^{-3} \cdot \left(\frac{4}{9}\right)^7 \cdot \left(\frac{4}{9}\right)^2 \cdot \left(\frac{4}{9}\right)^{-3}}{\left(\frac{4}{9}\right)^{-7} \cdot \left(\frac{4}{9}\right)^5}$$

$$\frac{\left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right)^{-8} \cdot \left(\frac{1}{9}\right)^7 \cdot \left(\frac{1}{9}\right)^8}{\left(\frac{1}{9}\right)^6 \cdot \left(\frac{1}{9}\right)^8}$$

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

$$\frac{\left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^8 \cdot \left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)^3}{\left(\frac{1}{8}\right)^{-2} \cdot \left(\frac{1}{8}\right)^{-8}}$$

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

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

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

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

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

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

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

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

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

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



Semplificare gli esponenti delle frazioni (Divisione)

Nome: _____

Data: _____ Punteggio: _____

$$\frac{\left(\frac{4}{5}\right)^{-10} \cdot \left(\frac{4}{5}\right)^7 \cdot \left(\frac{4}{5}\right)^5}{\left(\frac{4}{5}\right)^{-6}}$$

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

$$\frac{\left(\frac{4}{9}\right)^{-3} \cdot \left(\frac{4}{9}\right)^7 \cdot \left(\frac{4}{9}\right)^2 \cdot \left(\frac{4}{9}\right)^{-3}}{\left(\frac{4}{9}\right)^{-7} \cdot \left(\frac{4}{9}\right)^5}$$

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

$$\frac{\left(\frac{1}{9}\right)^5 \cdot \left(\frac{1}{9}\right)^{-8} \cdot \left(\frac{1}{9}\right)^7 \cdot \left(\frac{1}{9}\right)^8}{\left(\frac{1}{9}\right)^6 \cdot \left(\frac{1}{9}\right)^8}$$

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

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

$$\left(\frac{1}{7}\right)^{-12}$$

$$\frac{\left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^8 \cdot \left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)^3}{\left(\frac{1}{8}\right)^{-2} \cdot \left(\frac{1}{8}\right)^{-8}}$$

$$\left(\frac{1}{8}\right)^{18}$$

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

$$\left(\frac{1}{6}\right)^0$$

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

$$\left(\frac{4}{7}\right)^{24}$$

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

$$\left(\frac{1}{9}\right)^{-17}$$

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

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

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

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

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

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

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

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

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

$$\left(\frac{1}{8}\right)^3$$

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

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

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

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