

Proprieta delle potenze applicate alle frazioni

$$\left(\frac{1}{3}\right)^2 \times \left(\frac{1}{3}\right)^3 = \left(\frac{1}{3}\right)^{2+3} = \left(\frac{1}{3}\right)^5$$

$$\left(\frac{2}{5}\right)^4 : \left(\frac{2}{5}\right)^2 = \left(\frac{2}{5}\right)^{4-2} = \left(\frac{2}{5}\right)^2$$

$$\left[\left(\frac{2}{3}\right)^2\right]^3 = \left(\frac{2}{3}\right)^{2 \times 3} = \left(\frac{2}{3}\right)^6$$

$$\left(\frac{2}{5}\right)^2 \times \left(\frac{15}{4}\right)^2 = \left(\frac{\overset{1}{\cancel{2}}}{\underset{1}{\cancel{5}}} \times \frac{\overset{3}{\cancel{15}}}{\underset{2}{\cancel{4}}}\right)^2 = \left(\frac{3}{2}\right)^2$$

$$\left(\frac{4}{3}\right)^3 : \left(\frac{2}{9}\right)^3 = \left(\frac{4}{3} : \frac{2}{9}\right)^3 = \left(\frac{\overset{2}{\cancel{4}}}{\underset{1}{\cancel{3}}} \times \frac{\overset{3}{\cancel{9}}}{\underset{1}{\cancel{2}}}\right)^3 = 6^3$$