



A PEQUENA SEREIA

EM

POTÊNCIAS E
RAÍZES



LIVEWORKSHEETS

B) $\left(\frac{1}{4}\right)^3 = \frac{\square}{\square}$

D) $\left(\frac{9}{10}\right)^2 = \frac{\square}{\square}$

A) $\left(\frac{4}{5}\right)^2 = \frac{\square}{\square}$

01) Calcule o valor das potências.

F) $\left(\frac{9}{15}\right)^1 = \frac{\square}{\square}$

C) $\left(\frac{1}{3}\right)^5 = \frac{\square}{\square}$

E) $\left(\frac{1}{2}\right)^4 = \frac{\square}{\square}$

G) $\left(\frac{3}{2}\right)^2 = \frac{\square}{\square}$

H) $\left(\frac{2}{3}\right)^4 = \frac{\square}{\square}$

I) $\frac{2^4}{3} = \frac{\square}{\square}$

J) $\frac{2}{3^4} = \frac{\square}{\square}$

02) Calcule.

A) $\sqrt{\frac{9}{4}} = \frac{\square}{\square}$

B) $\sqrt{\frac{49}{81}} = \frac{\square}{\square}$

C) $\sqrt{\frac{1}{49}} = \frac{\square}{\square}$

D) $\sqrt{\frac{36}{64}} = \frac{\square}{\square}$

E) $\sqrt{\frac{100}{81}} = \frac{\square}{\square}$

F) $\sqrt{\frac{1}{100}} = \frac{\square}{\square}$



03) Calcule.

A) $\left(\frac{4}{3}\right)^2 = \frac{\boxed{}}{\boxed{}}$

B) $\left(\frac{7}{6}\right)^0 = \boxed{}$

C) $\left(\frac{1}{3}\right)^3 = \frac{\boxed{}}{\boxed{}}$

D) $\left(\frac{1}{6}\right)^2 = \frac{\boxed{}}{\boxed{}}$

E) $\left(\frac{1}{2}\right)^5 = \frac{\boxed{}}{\boxed{}}$

04) Calcule o valor
das seguintes
potências:

A) $\left(\frac{2}{3}\right)^5 = \frac{\boxed{}}{\boxed{}}$

B) $\left(\frac{4}{7}\right)^3 = \frac{\boxed{}}{\boxed{}}$

C) $\left(\frac{14}{101}\right)^1 = \frac{\boxed{}}{\boxed{}}$

D) $\left(\frac{1}{2}\right)^{10} = \frac{\boxed{}}{\boxed{}}$

E) $\left(\frac{11}{15}\right)^2 = \frac{\boxed{}}{\boxed{}}$

F) $\left(\frac{37}{98}\right)^0 = \boxed{}$

05) Resolva as expressões numéricas:

A) $\frac{3}{10} + \left(\frac{2}{5}\right)^2$

B) $\left(\frac{1}{5}\right)^3 + \left(\frac{3}{10}\right)^3$

C) $\left(\frac{2}{3}\right)^2 - \frac{5}{12} \cdot \frac{2}{5}$

D) $\left(\frac{2}{3}\right)^4 : \frac{8}{9} - \frac{2}{9}$

06) Calcule o valor das expressões numéricas

A) $2 - \sqrt{\frac{16}{81}}$

B) $\frac{1}{2} + \frac{2}{3} \cdot \sqrt{\frac{9}{16}}$

C) $1 - \frac{2}{3} \cdot \sqrt{\frac{4}{9}}$

D) $\sqrt{\frac{25}{16}} \cdot \left(\frac{2}{3} + \sqrt{\frac{4}{9}}\right)$

