

Enunciados

Calcula las siguientes potencias y da el resultado del modo más sencillo que sea posible (fracción irreducible o número entero).

① $\left(\frac{7}{4}\right)^2$

② $\left(\frac{8}{5}\right)^0$

③ $\left(-\frac{3}{7}\right)^{-2}$

④ $\left(\frac{20}{28}\right)^2$

⑤ $\left(\frac{120}{180}\right)^0$

⑥ $\left(\frac{30}{35}\right)^{-2}$

⑦ $\left(\frac{22}{33}\right)^4$

⑧ $\left(-\frac{55}{77}\right)^0$

⑨ $\left(\frac{49}{35}\right)^{-2}$

⑩ $\left(\frac{2}{5}\right)^3$

⑪ $\left(\frac{58}{34}\right)^0$

⑫ $\left(-\frac{12}{21}\right)^{-3}$

⑬ $\left(\frac{14}{22}\right)^3$

⑭ $\left(\frac{14}{22}\right)^0$

⑮ $\left(\frac{22}{14}\right)^{-3}$

⑯ $\left(\frac{40}{16}\right)^2$

⑰ $\left(-\frac{21}{28}\right)^{-3}$

Soluciones

$$\textcircled{1} \quad \frac{49}{16}$$

$$\textcircled{2} \quad 1$$

$$\textcircled{3} \quad \frac{49}{9}$$

$$\textcircled{4} \quad \frac{25}{49}$$

$$\textcircled{5} \quad 1$$

$$\textcircled{6} \quad \frac{49}{36}$$

$$\textcircled{7} \quad \frac{16}{81}$$

$$\textcircled{8} \quad 1$$

$$\textcircled{9} \quad \frac{25}{49}$$

$$\textcircled{10} \quad \frac{8}{125}$$

$$\textcircled{11} \quad 1$$

$$\textcircled{12} \quad \frac{343}{64}$$

$$\textcircled{13} \quad \frac{343}{1331}$$

$$\textcircled{14} \quad 1$$

$$\textcircled{15} \quad \frac{1331}{343}$$

$$\textcircled{16} \quad \frac{25}{4}$$

$$\textcircled{17} \quad \frac{64}{27}$$