

Enunciados

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

$$\textcircled{1} \quad \left(\frac{8}{14} + \frac{9}{21}\right)^5 - \frac{5}{3}$$

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

$$\textcircled{3} \quad \left(\frac{3}{7} + \frac{19}{21}\right) : \left(\frac{16}{18} - \frac{23}{9}\right)$$

$$\textcircled{4} \quad \left(\frac{5}{6} + \frac{1}{2}\right) \cdot \left(\frac{2}{7} - \frac{29}{28}\right)$$

$$\textcircled{5} \quad \left(1 + \frac{1}{5}\right)^2 : \left(\frac{1}{4} + \frac{19}{20}\right)$$

$$\textcircled{6} \quad \left(\frac{1}{3} + \frac{1}{5}\right) \cdot \left(1 + \frac{1}{2}\right)^2$$

$$\textcircled{7} \quad \left(\frac{3}{5} - \frac{2}{7}\right) \cdot \left(\frac{14}{22} + \frac{24}{33}\right)$$

$$\textcircled{8} \quad \left(\frac{2}{7}\right)^2 : \left(\frac{1}{14}\right)^2$$

$$\textcircled{9} \quad \left(\frac{2}{3} + \frac{1}{5} + \frac{1}{15}\right) \cdot \left(\frac{3}{7} + 6\right)$$

$$\textcircled{10} \quad \left(\frac{1}{3}\right)^2 + \left(\frac{1}{2}\right)^2 - \left(\frac{1}{6}\right)^2$$

$$\textcircled{11} \quad \frac{9}{25} \cdot \frac{5}{3} - \frac{8}{35} \cdot \frac{1}{7}$$

$$\textcircled{12} \quad \left(\left(\frac{3}{2}\right)^3 - \frac{3}{8}\right) : 9$$

$$\textcircled{13} \quad \left(\frac{2}{15} + \frac{2}{3}\right) \cdot \left(\frac{11}{4} + \frac{3}{8}\right)$$

$$\textcircled{14} \quad \left(\frac{1}{4} + \frac{1}{12}\right)^2 + \left(\frac{1}{2} + \frac{1}{6}\right)^2 - \frac{1}{18}$$

$$\textcircled{15} \quad \frac{15}{8} \cdot \frac{4}{5} - \frac{39}{28} : \frac{3}{2}$$

$$\textcircled{16} \quad \left(\frac{2}{5} + \frac{44}{15}\right) \cdot \left(\frac{1}{2} + \frac{1}{10}\right)$$

$$\textcircled{17} \quad \frac{1}{10} + \left(\frac{4}{5}\right)^2 - \frac{3}{50}$$

Soluciones

① $-\frac{2}{3}$

② 2

③ $-\frac{4}{5}$

④ -1

⑤ $\frac{6}{5}$

⑥ $\frac{6}{5}$

⑦ $\frac{3}{7}$

⑧ 16

⑨ 6

⑩ $\frac{2}{9}$

⑪ -1

⑫ $\frac{1}{3}$

⑬ $\frac{5}{2}$

⑭ $\frac{1}{2}$

⑮ $\frac{4}{7}$

⑯ 2

⑰ $\frac{17}{25}$