



# Multiplicación de fracciones

Para multiplicar nada debes cambiar

los numeradores y denominadores multiplicarás

y al final, si puedes, simplificarás

$$\frac{8}{7} \cdot \frac{3}{4} = \frac{8 \cdot 3}{7 \cdot 4} = \frac{24}{28} = \frac{12}{14} = \frac{6}{7}$$

$$\frac{7}{4} \cdot \frac{5}{14} = \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot}$$

$$\frac{5}{12} \cdot \frac{3}{10} = \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot}$$

$$\frac{5}{8} \cdot \frac{9}{2} \cdot \frac{1}{5} = \frac{\cdot \cdot \cdot}{\cdot \cdot \cdot} = \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot}$$

$$\frac{2}{3} \cdot \frac{6}{5} \cdot \frac{10}{3} = \frac{\cdot \cdot \cdot}{\cdot \cdot \cdot} = \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot}$$

Ahora bien, es mejor simplificar antes de multiplicar, fíjate:

$$\frac{5}{14} \cdot \frac{10}{21} = \frac{\cancel{5}^{\cancel{5}} \cdot \cancel{10}^{\cancel{10}}}{\cancel{14}^{\cancel{7}} \cdot \cancel{21}^{\cancel{3}}} = \frac{25}{147}$$

$$\frac{7}{2} \cdot \frac{8}{21} = \frac{\cancel{7}^{\cancel{4}} \cdot \cancel{8}^{\cancel{4}}}{\cancel{2}^{\cancel{1}} \cdot \cancel{21}^{\cancel{7}}} = \frac{4}{7}$$

$$\frac{7}{2} \cdot \frac{8}{9} = \frac{\cancel{7}^{\cancel{1}} \cdot \cancel{8}^{\cancel{4}}}{\cancel{2}^{\cancel{1}} \cdot \cancel{9}^{\cancel{3}}} = \frac{\cancel{4}^{\cancel{2}}}{\cancel{3}^{\cancel{1}}} = \frac{2}{3}$$

$$\frac{12}{5} \cdot \frac{25}{18} = \frac{\cancel{12}^{\cancel{4}} \cdot \cancel{25}^{\cancel{5}}}{\cancel{5}^{\cancel{1}} \cdot \cancel{18}^{\cancel{9}}} = \frac{4}{3}$$

$$\frac{5}{7} \cdot \frac{7}{22} \cdot \frac{11}{18} = \frac{\cancel{5}^{\cancel{1}} \cdot \cancel{7}^{\cancel{1}} \cdot \cancel{11}^{\cancel{1}}}{\cancel{7}^{\cancel{1}} \cdot \cancel{22}^{\cancel{2}} \cdot \cancel{18}^{\cancel{9}}} = \frac{1}{2}$$

$$\frac{18}{5} \cdot \frac{25}{9} \cdot \frac{6}{7} = \frac{\cancel{18}^{\cancel{2}} \cdot \cancel{25}^{\cancel{5}} \cdot \cancel{6}^{\cancel{3}}}{\cancel{5}^{\cancel{1}} \cdot \cancel{9}^{\cancel{3}} \cdot \cancel{7}^{\cancel{1}}} = \frac{2}{1}$$

$$\frac{5}{6} \cdot \frac{3}{11} \cdot \frac{11}{20} = \frac{\cancel{5}^{\cancel{1}} \cdot \cancel{3}^{\cancel{1}} \cdot \cancel{11}^{\cancel{1}}}{\cancel{6}^{\cancel{2}} \cdot \cancel{11}^{\cancel{1}} \cdot \cancel{20}^{\cancel{4}}} = \frac{1}{4}$$

$$\frac{6}{35} \cdot \frac{7}{11} \cdot \frac{121}{9} = \frac{\cancel{6}^{\cancel{1}} \cdot \cancel{7}^{\cancel{1}} \cdot \cancel{121}^{\cancel{11}}}{\cancel{35}^{\cancel{5}} \cdot \cancel{11}^{\cancel{1}} \cdot \cancel{9}^{\cancel{3}}} = \frac{1}{5}$$