

# Fracciones

## Multiplicación y división de fracciones

1. Opera y simplifica:

$$\frac{3}{7} \cdot \frac{5}{12} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{2}{5} \cdot \frac{8}{5} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{7}{5} \cdot \frac{10}{6} \cdot \frac{3}{11} = \frac{7 \cdot 10 \cdot 3}{5 \cdot 6 \cdot 11} = \frac{210}{330} = \frac{7}{11}$$

$$\frac{15}{12} \cdot \frac{7}{3} \cdot \frac{1}{25} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{3}{7} : \frac{5}{21} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{9}{2} : \frac{15}{10} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{7}{9} : \frac{1}{6} : \frac{1}{4} = \frac{7 \cdot 6}{9 \cdot 1} : \frac{1}{4} = \frac{7 \cdot 6 \cdot 4}{9 \cdot 1 \cdot 1} = \frac{168}{9} = \frac{56}{3}$$

$$\frac{4}{15} : \frac{1}{12} : \frac{5}{6} = \underline{\hspace{2cm}} : \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{7}{8} \cdot \frac{1}{3} : \frac{1}{4} \cdot 2 = \underline{\hspace{2cm}} : \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \cdot \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$3 : \frac{12}{5} \cdot \frac{1}{5} : \frac{3}{10} = \underline{\hspace{2cm}} \cdot \underline{\hspace{2cm}} : \underline{\hspace{2cm}} = \underline{\hspace{2cm}} : \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{8}{5} : \frac{6}{4} \cdot 2 \cdot \frac{4}{3} = \underline{\hspace{2cm}} \cdot \underline{\hspace{2cm}} \cdot \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \cdot \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{1}{5} : 3 \cdot \frac{4}{9} : \frac{5}{3} = \underline{\hspace{2cm}} \cdot \underline{\hspace{2cm}} : \underline{\hspace{2cm}} = \underline{\hspace{2cm}} : \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Utiliza el  $\cdot$  para la multiplicación.  
Realiza los ejercicios como se especifica  
en los ejemplos.  
Y simplifica en el último paso.