



División de fracciones

Si lo que necesitas es dividir
a la montaña rusa te debes subir



$$\frac{8}{7} : \frac{3}{5} = \frac{8 \cdot 5}{7 \cdot 3} = \frac{40}{21}$$

Si lo que necesitas es dividir
el divisor debes invertir,
las fracciones multiplicar
y simplificar



Inverso de $\frac{3}{5} = \frac{5}{3}$

$$\frac{8}{7} : \frac{3}{5} = \frac{8}{7} \cdot \frac{5}{3} = \frac{8 \cdot 5}{7 \cdot 3} = \frac{40}{21}$$

$$\frac{7}{15} : \frac{2}{3} = \frac{7 \cdot 3}{15 \cdot 2} = \frac{21}{30} = \frac{7}{10}$$

$$\frac{8}{9} : \frac{4}{3} = \frac{8 \cdot 3}{9 \cdot 4} = \frac{24}{36} = \frac{2}{3}$$

$$\frac{5}{6} : \frac{15}{2} = \frac{5 \cdot 2}{6 \cdot 15} = \frac{10}{90} = \frac{1}{9}$$

$$\frac{2}{3} : \frac{6}{5} = \frac{2 \cdot 5}{3 \cdot 6} = \frac{10}{18} = \frac{5}{9}$$

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

$$\frac{5}{7} : \frac{10}{21} = \frac{5 \cdot 21}{7 \cdot 10} = \frac{105}{70} = \frac{3}{2}$$

$$\frac{18}{5} : \frac{6}{11} = \frac{18 \cdot 11}{5 \cdot 6} = \frac{198}{30} = \frac{33}{5}$$

$$\frac{7}{18} : \frac{21}{12} = \frac{7 \cdot 12}{18 \cdot 21} = \frac{84}{378} = \frac{2}{9}$$

$$\frac{12}{5} : \frac{24}{35} = \frac{12 \cdot 35}{5 \cdot 24} = \frac{420}{120} = \frac{7}{2}$$

$$\frac{6}{11} : \frac{8}{33} = \frac{6 \cdot 33}{11 \cdot 8} = \frac{198}{88} = \frac{9}{4}$$

$$\frac{18}{5} : \frac{3}{25} = \frac{18 \cdot 25}{5 \cdot 3} = \frac{450}{15} = 30$$

$$\frac{5}{6} : \frac{35}{11} = \frac{5 \cdot 11}{6 \cdot 35} = \frac{55}{210} = \frac{11}{42}$$

$$\frac{2}{15} : \frac{14}{10} = \frac{2 \cdot 10}{15 \cdot 14} = \frac{20}{210} = \frac{2}{21}$$