

# Suma y resta de fracciones con distinto denominador

Cubre la página por debajo de la línea negra. Después, intenta resolver las siguientes sumas.

$\frac{1}{3} + \frac{1}{2} =$  ¿Qué fracción será ésta?

$\frac{1}{3} + \frac{1}{4} =$  ¿Qué fracción será ésta?

$\frac{1}{3} + \frac{1}{2}$   
↓ ↓  
 $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$

$\frac{1}{3} + \frac{1}{4}$   
↓ ↓  
 $\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$

¿Resolviste los problemas anteriores?

La solución es ésta:

Convertimos las fracciones para que sean fracciones con el mismo denominador, usando fracciones equivalentes.

Entonces podemos sumar (o restar).

1. Escribe las fracciones ilustradas por las “tartas”. Conviértelas en fracciones equivalentes *con el mismo denominador*, y luego súmalas. Colorea las partes que faltan.

**a.**

$\frac{1}{2} + \frac{1}{4}$   
↓ ↓

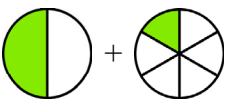
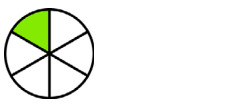
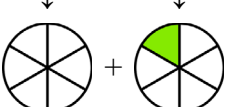
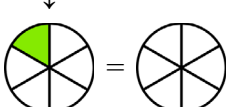
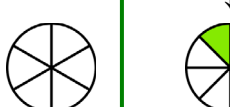


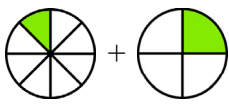

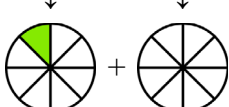
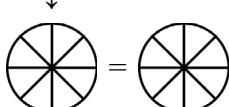
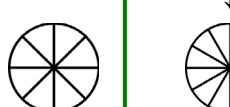
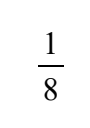


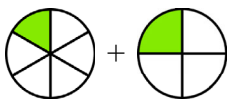
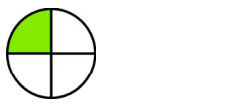
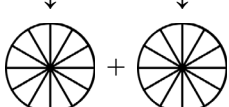
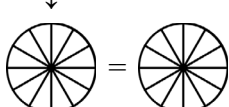
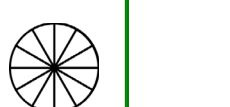



**b.**

↓ ↓

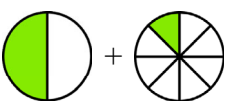
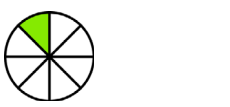
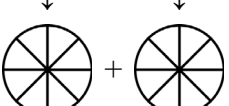
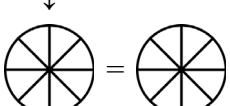




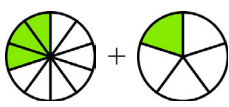
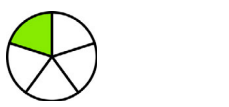
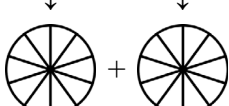
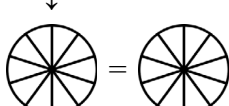




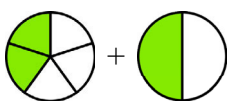
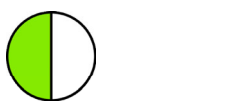
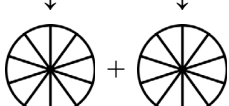
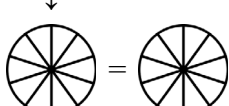
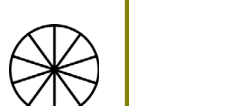



**c.**

↓ ↓

2. Primero pasa las fracciones al mismo denominador, y luego suma o resta. En los problemas de abajo (d-f), tú debes averiguar qué tipo de partes usar, ¡pero los problemas de *arriba* (a-c) te ayudarán a hacerlo!

<p><b>a.</b>  + </p> $\frac{1}{2} + \frac{1}{6}$ <p style="text-align: center;">↓                  ↓</p>  +  =   + $\frac{1}{6}$ = 	<p><b>b.</b>  + </p> $\frac{1}{8} + \frac{1}{4}$ <p style="text-align: center;">↓                  ↓</p>  +  =   +  = 	<p><b>c.</b>  + </p> $\frac{1}{6} + \frac{1}{4}$ <p style="text-align: center;">↓                  ↓</p>  +  =   +  = 
<p><b>d.</b> <math>\frac{5}{6} - \frac{1}{2}</math></p> <p style="text-align: center;">↓                  ↓</p> $\frac{5}{6} - \frac{\text{Yellow box}}{\text{Yellow box}} = \frac{\text{Yellow box}}{\text{Yellow box}}$	<p><b>e.</b> <math>\frac{5}{8} - \frac{1}{4}</math></p> <p style="text-align: center;">↓                  ↓</p> $\frac{\text{Yellow box}}{\text{Yellow box}} - \frac{\text{Yellow box}}{\text{Yellow box}} = \frac{\text{Yellow box}}{\text{Yellow box}}$	<p><b>f.</b> <math>\frac{5}{6} - \frac{1}{4}</math></p> <p style="text-align: center;">↓                  ↓</p> $\frac{\text{Yellow box}}{\text{Yellow box}} - \frac{\text{Yellow box}}{\text{Yellow box}} = \frac{\text{Yellow box}}{\text{Yellow box}}$

3. Primero pasa las fracciones al mismo denominador, y luego suma o resta. En los problemas de abajo (d-f), tú debes averiguar qué tipo de partes usar, ¡pero los problemas de *arriba* (a-c) te ayudarán a hacerlo!

<p><b>a.</b>  + </p> $\frac{1}{2} + \frac{1}{8}$ <p style="text-align: center;">↓                  ↓</p>  +  =   +  = 	<p><b>b.</b>  + </p> $\frac{3}{10} + \frac{1}{5}$ <p style="text-align: center;">↓                  ↓</p>  +  =   +  = 	<p><b>c.</b>  + </p> $\frac{2}{5} + \frac{1}{2}$ <p style="text-align: center;">↓                  ↓</p>  +  =   +  = 
<p><b>d.</b> <math>\frac{1}{2} + \frac{3}{8}</math></p> <p style="text-align: center;">↓                  ↓</p> $\frac{\text{Yellow box}}{\text{Yellow box}} + \frac{\text{Yellow box}}{\text{Yellow box}} = \frac{\text{Yellow box}}{\text{Yellow box}}$	<p><b>e.</b> <math>\frac{9}{10} - \frac{2}{5}</math></p> <p style="text-align: center;">↓                  ↓</p> $\frac{\text{Yellow box}}{\text{Yellow box}} - \frac{\text{Yellow box}}{\text{Yellow box}} = \frac{\text{Yellow box}}{\text{Yellow box}}$	<p><b>f.</b> <math>\frac{4}{5} - \frac{1}{2}</math></p> <p style="text-align: center;">↓                  ↓</p> $\frac{\text{Yellow box}}{\text{Yellow box}} - \frac{\text{Yellow box}}{\text{Yellow box}} = \frac{\text{Yellow box}}{\text{Yellow box}}$