



## Addition et soustraction de fractions ayant les mêmes dénominateurs

**Exercice n°1 :** Calculer les fractions suivantes.

$A = \frac{5}{7} + \frac{3}{7} = \frac{\dots + \dots}{7} = \frac{\dots}{7}$	$B = \frac{11}{19} + \frac{7}{19} = \frac{\dots + \dots}{19} = \frac{\dots}{19}$
$C = \frac{3}{5} - \frac{1}{5} = \frac{\dots - \dots}{5} = \frac{\dots}{5}$	$D = \frac{8}{31} - \frac{3}{31} = \frac{\dots - \dots}{31} = \frac{\dots}{31}$
$E = \frac{3}{11} + \frac{1}{11} + \frac{5}{11} = \frac{\dots + \dots + \dots}{11} = \frac{\dots}{11}$	$F = \frac{22}{45} + \frac{12}{45} + \frac{32}{45} = \frac{\dots + \dots + \dots}{45} = \frac{\dots}{45}$

**Exercice n°2 :** Calculer les fractions suivantes.

$A = \frac{4}{8} + \frac{3}{8} =$	$B = \frac{101}{11} + \frac{26}{11} =$
$C = \frac{13}{17} - \frac{2}{17} =$	$D = \frac{91}{73} - \frac{90}{73} =$
$E = \frac{4}{5} - \frac{2}{5} =$	$F = \frac{1}{9} + \frac{4}{9} =$
$G = \frac{21}{21} - \frac{21}{21} =$	$H = \frac{27}{17} - \frac{13}{17} =$

**Exercice n°3 :** Calculer les fractions suivantes.

$A = \frac{7}{11} + \frac{4}{11} + \frac{1}{11}$	$B = \frac{17}{6} - \frac{7}{6} - \frac{5}{6}$	$C = \frac{13}{23} + \frac{5}{23} + \frac{6}{23}$
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### Correction

**Exercice n°1 :** Calculer les fractions suivantes.

$A = \frac{5}{7} + \frac{3}{7} = \frac{5+3}{7} = \frac{8}{7}$	$B = \frac{11}{19} + \frac{7}{19} = \frac{11+7}{19} = \frac{18}{19}$
$C = \frac{3}{5} - \frac{1}{5} = \frac{3-1}{5} = \frac{2}{5}$	$D = \frac{8}{31} - \frac{3}{31} = \frac{8-3}{31} = \frac{5}{31}$
$E = \frac{3}{11} + \frac{1}{11} + \frac{5}{11} = \frac{3+1+5}{11} = \frac{9}{11}$	$F = \frac{22}{45} + \frac{12}{45} + \frac{32}{45} = \frac{22+12+32}{45} = \frac{66}{45}$

**Exercice n°2 :** Calculer les fractions suivantes.

$A = \frac{4}{8} + \frac{3}{8} = \frac{4+3}{8} = \frac{7}{8}$	$B = \frac{101}{11} + \frac{26}{11} = \frac{101+26}{11} = \frac{127}{11}$
$C = \frac{13}{17} - \frac{2}{17} = \frac{13-2}{17} = \frac{11}{17}$	$D = \frac{91}{73} - \frac{90}{73} = \frac{91-90}{73} = \frac{1}{73}$
$E = \frac{4}{5} - \frac{2}{5} = \frac{4-2}{5} = \frac{2}{5}$	$F = \frac{1}{9} + \frac{4}{9} = \frac{1+4}{9} = \frac{5}{9}$
$G = \frac{21}{21} - \frac{21}{21} = \frac{21-21}{21} = \frac{0}{21} = 0$	$H = \frac{27}{17} - \frac{13}{17} = \frac{27-13}{17} = \frac{14}{17}$

**Exercice n°3 :** Calculer les fractions suivantes.

$A = \frac{7}{11} + \frac{4}{11} + \frac{1}{11}$ $A = \frac{7+4+1}{11}$ $A = \frac{12}{11}$	$B = \frac{17}{6} - \frac{7}{6} - \frac{5}{6}$ $B = \frac{17-7-5}{6}$ $B = \frac{5}{6}$	$C = \frac{13}{23} + \frac{5}{23} + \frac{6}{23}$ $C = \frac{13+5+6}{23}$ $C = \frac{24}{23}$
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