



Préparation à l'interrogation : Additions et soustractions de fractions

Exercice n°1 : Calculer les fractions suivantes.

$$\mathcal{A} = \frac{94}{29} + \frac{6}{29}$$

$$\mathcal{B} = \frac{62}{10} - \frac{29}{10}$$

$$\mathcal{C} = \frac{7}{25} + \frac{74}{25}$$

$$\mathcal{D} = \frac{157}{230} - \frac{754}{230}$$

Exercice n°2 : Calculer les fractions suivantes.

$$\mathcal{A} = \frac{8}{25} + \frac{9}{5}$$

$$\mathcal{B} = \frac{101}{35} - \frac{8}{5}$$

$$\mathcal{C} = \frac{11}{7} + \frac{2}{49}$$

$$\mathcal{D} = \frac{1}{6} - \frac{5}{36}$$

Exercice n°3 : Calculer les fractions suivantes.

$$\mathcal{A} = 8 + \frac{1}{5}$$

$$\mathcal{B} = 15 - \frac{3}{8}$$

$$\mathcal{C} = \frac{7}{25} + 3$$

$$\mathcal{D} = \frac{4}{11} - 4$$

Exercice n°4 : Calculer les fractions suivantes.

$$\mathcal{A} = \frac{4}{5} + \frac{10}{2} + \frac{3}{10}$$

$$\mathcal{B} = \frac{5}{56} + \frac{3}{8} - \frac{3}{7}$$

$$\mathcal{C} = \frac{5}{2} - \frac{7}{3} - \frac{9}{4}$$

$$\mathcal{D} = \frac{11}{7} - \frac{15}{42} + \frac{1}{6}$$

Exercice n°5 : Calculer les fractions suivantes.

$$\mathcal{A} = \frac{5}{8} + \frac{7}{12}$$

$$\mathcal{B} = \frac{5}{2} - \frac{9}{17}$$

$$\mathcal{C} = \frac{3}{9} - \frac{2}{7}$$

$$\mathcal{D} = \frac{11}{15} - \frac{4}{25}$$

$$\mathcal{E} = \frac{7}{6} + \frac{9}{4}$$

$$\mathcal{F} = \frac{5}{8} + \frac{10}{3}$$

$$\mathcal{G} = \frac{22}{6} + \frac{5}{21}$$

$$\mathcal{H} = \frac{-7}{4} - \frac{3}{7}$$



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Exercice n°1 : Calculer les fractions suivantes.

$\mathcal{A} = \frac{94}{29} + \frac{6}{29}$	$\mathcal{B} = \frac{62}{10} - \frac{29}{10}$	$\mathcal{C} = \frac{7}{25} + \frac{74}{25}$	$\mathcal{D} = \frac{157}{230} - \frac{754}{230}$
$\mathcal{A} = \frac{94 + 6}{29}$	$\mathcal{B} = \frac{62 - 29}{10}$	$\mathcal{C} = \frac{7 + 74}{25}$	$\mathcal{D} = \frac{157 - 754}{230}$
$\mathcal{A} = \frac{100}{29}$	$\mathcal{B} = \frac{33}{10}$	$\mathcal{C} = \frac{81}{25}$	$\mathcal{D} = \frac{-597}{230}$

Exercice n°2 : Calculer les fractions suivantes.

$\mathcal{A} = \frac{8}{25} + \frac{9}{5}$	$\mathcal{B} = \frac{101}{35} - \frac{8}{5}$	$\mathcal{C} = \frac{11}{7} + \frac{2}{49}$	$\mathcal{D} = \frac{1}{6} - \frac{5}{36}$
$\mathcal{A} = \frac{8}{25} + \frac{9 \times 5}{5 \times 5}$	$\mathcal{B} = \frac{101}{35} - \frac{8 \times 7}{5 \times 7}$	$\mathcal{C} = \frac{11 \times 7}{7 \times 7} + \frac{2}{49}$	$\mathcal{D} = \frac{1 \times 6}{6 \times 6} - \frac{5}{36}$
$\mathcal{A} = \frac{8 + 45}{25}$	$\mathcal{B} = \frac{101 - 56}{35}$	$\mathcal{C} = \frac{77 + 2}{49}$	$\mathcal{D} = \frac{6 - 5}{36}$
$\mathcal{A} = \frac{53}{25}$	$\mathcal{B} = \frac{45}{35}$	$\mathcal{C} = \frac{79}{49}$	$\mathcal{D} = \frac{1}{36}$
	$\mathcal{B} = \frac{5 \times 9}{5 \times 7}$		
	$\mathcal{B} = \frac{9}{7}$		

Exercice n°3 : Calculer les fractions suivantes.

$\mathcal{A} = 8 + \frac{1}{5}$	$\mathcal{B} = 15 - \frac{3}{8}$	$\mathcal{C} = \frac{7}{25} + 3$	$\mathcal{D} = \frac{4}{11} - 4$
$\mathcal{A} = \frac{8}{1} + \frac{1}{5}$	$\mathcal{B} = \frac{15}{1} - \frac{3}{8}$	$\mathcal{C} = \frac{7}{25} + \frac{3}{1}$	$\mathcal{D} = \frac{4}{11} - \frac{4}{1}$
$\mathcal{A} = \frac{8 \times 5}{1 \times 5} + \frac{1}{5}$	$\mathcal{B} = \frac{15 \times 8}{1 \times 8} - \frac{3}{8}$	$\mathcal{C} = \frac{7}{25} + \frac{3 \times 25}{1 \times 25}$	$\mathcal{D} = \frac{4}{11} - \frac{4 \times 11}{1 \times 11}$
$\mathcal{A} = \frac{40}{5} + \frac{1}{5}$	$\mathcal{B} = \frac{120}{8} - \frac{3}{8}$	$\mathcal{C} = \frac{7}{25} + \frac{75}{25}$	$\mathcal{D} = \frac{4}{11} - \frac{44}{11}$
$\mathcal{A} = \frac{40 + 1}{5}$	$\mathcal{B} = \frac{120 - 3}{8}$	$\mathcal{C} = \frac{7 + 75}{25}$	$\mathcal{D} = \frac{4 - 44}{11}$
$\mathcal{A} = \frac{41}{5}$	$\mathcal{B} = \frac{117}{8}$	$\mathcal{C} = \frac{82}{25}$	$\mathcal{D} = \frac{-40}{11}$

Exercice n°4 : Calculer les fractions suivantes.

$\mathcal{A} = \frac{4}{5} + \frac{10}{2} + \frac{3}{10}$	$\mathcal{B} = \frac{5}{56} + \frac{3}{8} - \frac{3}{7}$	$\mathcal{C} = \frac{5}{2} - \frac{7}{3} - \frac{9}{4}$	$\mathcal{D} = \frac{11}{7} - \frac{15}{42} + \frac{1}{6}$
$\mathcal{A} = \frac{4 \times 2}{5 \times 2} + \frac{10 \times 5}{2 \times 5} + \frac{3}{10}$	$\mathcal{B} = \frac{5}{56} + \frac{3 \times 7}{8 \times 7} - \frac{3 \times 8}{7 \times 8}$	$\mathcal{C} = \frac{5 \times 6}{2 \times 6} - \frac{7 \times 4}{3 \times 4} - \frac{9 \times 3}{4 \times 3}$	$\mathcal{D} = \frac{11 \times 6}{7 \times 6} - \frac{15}{42} + \frac{1 \times 7}{6 \times 7}$
$\mathcal{A} = \frac{8 + 50 + 3}{10}$	$\mathcal{B} = \frac{5 + 21 - 24}{56}$	$\mathcal{C} = \frac{30 - 28 - 27}{12}$	$\mathcal{D} = \frac{66 - 15 + 42}{42}$

$\mathcal{A} = \frac{61}{10}$	$\mathcal{B} = \frac{2}{56}$ $\mathcal{B} = \frac{1}{28}$	$\mathcal{C} = \frac{-25}{12}$	$\mathcal{D} = \frac{93}{42}$
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Exercice n°5 : Calculer les fractions suivantes.

$\mathcal{A} = \frac{5}{8} + \frac{7}{12}$	$\mathcal{B} = \frac{5}{2} - \frac{9}{17}$	$\mathcal{C} = \frac{3}{9} - \frac{2}{7}$	$\mathcal{D} = \frac{11}{15} - \frac{4}{25}$
$\mathcal{A} = \frac{5 \times 12}{8 \times 12} + \frac{7 \times 8}{12 \times 8}$ $\mathcal{A} = \frac{60}{96} + \frac{56}{96}$ $\mathcal{A} = \frac{116}{96}$ $\mathcal{A} = \frac{29 \times \blacksquare}{24 \times \blacksquare}$ $\mathcal{A} = \frac{29}{24}$	$\mathcal{B} = \frac{5 \times 17}{2 \times 17} - \frac{9 \times 2}{17 \times 2}$ $\mathcal{B} = \frac{85}{34} - \frac{18}{34}$ $\mathcal{B} = \frac{67}{34}$	$\mathcal{C} = \frac{3 \times 7}{9 \times 7} - \frac{2 \times 9}{7 \times 9}$ $\mathcal{C} = \frac{21}{63} - \frac{18}{63}$ $\mathcal{C} = \frac{3}{63}$ $\mathcal{C} = \frac{1 \times \blacksquare}{21 \times \blacksquare}$ $\mathcal{C} = \frac{1}{21}$	$\mathcal{D} = \frac{11 \times 25}{15 \times 25} - \frac{4 \times 15}{25 \times 15}$ $\mathcal{D} = \frac{275}{375} - \frac{60}{375}$ $\mathcal{D} = \frac{215}{375}$ $\mathcal{D} = \frac{43 \times \blacksquare}{75 \times \blacksquare}$ $\mathcal{D} = \frac{43}{75}$
$\mathcal{E} = \frac{7}{6} + \frac{9}{4}$	$\mathcal{F} = \frac{5}{8} + \frac{10}{3}$	$\mathcal{G} = \frac{22}{6} + \frac{5}{21}$	$\mathcal{H} = \frac{-7}{4} - \frac{3}{7}$
$\mathcal{E} = \frac{7 \times 4}{6 \times 4} + \frac{9 \times 6}{4 \times 6}$ $\mathcal{E} = \frac{28}{24} + \frac{54}{24}$ $\mathcal{E} = \frac{82}{24}$ $\mathcal{E} = \frac{41 \times \blacksquare}{12 \times \blacksquare}$ $\mathcal{E} = \frac{41}{12}$	$\mathcal{F} = \frac{5 \times 3}{8 \times 3} + \frac{10 \times 8}{8 \times 3}$ $\mathcal{F} = \frac{15}{24} + \frac{80}{24}$ $\mathcal{F} = \frac{95}{24}$	$\mathcal{G} = \frac{22 \times 21}{6 \times 21} + \frac{5 \times 6}{21 \times 6}$ $\mathcal{G} = \frac{462}{126} + \frac{30}{126}$ $\mathcal{G} = \frac{492}{126}$ $\mathcal{G} = \frac{164 \times \blacksquare}{42 \times \blacksquare}$ $\mathcal{G} = \frac{164}{42}$	$\mathcal{H} = \frac{-7 \times 7}{4 \times 7} - \frac{3 \times 4}{7 \times 4}$ $\mathcal{H} = \frac{-49}{28} - \frac{12}{28}$ $\mathcal{H} = \frac{-61}{28}$