



! Pour additionner des fractions , on les met au même dénominateur

Astuce

Calculer :

1. $\frac{3}{4} + \frac{5}{8} - \frac{1}{2}$

2. $\frac{7}{10} - \frac{2}{5}$

3. $\frac{1}{3} + \frac{2}{7} + \frac{4}{21}$

4. $\frac{5}{6} - \frac{1}{4} + \frac{1}{3}$

5. $\frac{9}{11} + \frac{3}{22} - \frac{4}{11}$

6. $\frac{2}{3} + \frac{4}{9} + \frac{1}{6}$

7. $\frac{11}{15} - \frac{2}{5} + \frac{1}{3}$

8. $\frac{7}{8} + \frac{3}{16} - \frac{5}{32}$

9. $\frac{4}{9} - \frac{5}{6} + \frac{7}{18}$

10. $\frac{1}{2} + \frac{3}{10} + \frac{1}{5}$

11. $\frac{6}{7} - \frac{5}{14}$

12. $\frac{5}{12} + \frac{1}{3} - \frac{1}{4}$

13. $\frac{2}{5} + \frac{7}{15} + \frac{1}{10}$

14. $\frac{13}{20} - \frac{1}{4} + \frac{3}{10}$

15. $\frac{8}{9} + \frac{5}{18} - \frac{1}{3}$

16. $\frac{3}{10} + \frac{7}{25} - \frac{2}{5}$

17. $\frac{2}{3} + \frac{11}{12} - \frac{5}{4}$

18. $\frac{1}{6} - \frac{5}{8} + \frac{7}{24}$

19. $\frac{4}{5} + \frac{9}{10} - \frac{1}{2}$

20. $\frac{7}{9} + \frac{2}{3} - \frac{1}{6} + \frac{5}{18}$

★★ *Automatismes : additions de fractions* ★★

Corrigé :

1. $\frac{3}{4} + \frac{5}{8} - \frac{1}{2}$

On cherche un dénominateur commun : 8

$$\frac{3}{4} = \frac{6}{8}, \quad \frac{1}{2} = \frac{4}{8}$$

$$\frac{6}{8} + \frac{5}{8} - \frac{4}{8} = \frac{7}{8}$$

2. $\frac{7}{10} - \frac{2}{5}$

$$\frac{2}{5} = \frac{4}{10}$$

$$\frac{7}{10} - \frac{4}{10} = \frac{3}{10}$$

3. $\frac{1}{3} + \frac{2}{7} + \frac{4}{21}$

Dénominateur commun : 21

$$\frac{1}{3} = \frac{7}{21}, \quad \frac{2}{7} = \frac{6}{21}$$

$$\frac{7}{21} + \frac{6}{21} + \frac{4}{21} = \frac{17}{21}$$

4. $\frac{5}{6} - \frac{1}{4} + \frac{1}{3} = \frac{17}{12}$

5. $\frac{9}{11} + \frac{3}{22} - \frac{4}{11} = \frac{7}{22}$

6. $\frac{2}{3} + \frac{4}{9} + \frac{1}{6} = \frac{25}{18}$

7. $\frac{11}{15} - \frac{2}{5} + \frac{1}{3} = \frac{10}{15} = \frac{2}{3}$

8. $\frac{7}{8} + \frac{3}{16} - \frac{5}{32} = \frac{33}{32}$

9. $\frac{4}{9} - \frac{5}{6} + \frac{7}{18} = \frac{1}{18}$

10. $\frac{1}{2} + \frac{3}{10} + \frac{1}{5} = \frac{6}{5}$

11. $\frac{6}{7} - \frac{5}{14} = \frac{7}{14} = \frac{1}{2}$

★★ *Automatismes : additions de fractions* ★★

12. $\frac{5}{12} + \frac{1}{3} - \frac{1}{4} = \frac{8}{12} = \frac{2}{3}$

13. $\frac{2}{5} + \frac{7}{15} + \frac{1}{10} = \frac{25}{30} = \frac{5}{6}$

14. $\frac{13}{20} - \frac{1}{4} + \frac{3}{10} = \frac{27}{20}$

15. $\frac{8}{9} + \frac{5}{18} - \frac{1}{3} = \frac{23}{18}$

16. $\frac{3}{10} + \frac{7}{25} - \frac{2}{5} = \frac{11}{50}$

17. $\frac{2}{3} + \frac{11}{12} - \frac{5}{4} = \frac{3}{12} = \frac{1}{4}$

18. $\frac{1}{6} - \frac{5}{8} + \frac{7}{24} = \frac{-1}{8}$

19. $\frac{4}{5} + \frac{9}{10} - \frac{1}{2} = \frac{21}{10}$

20. $\frac{7}{9} + \frac{2}{3} - \frac{1}{6} + \frac{5}{18} = \frac{31}{18}$