

Exercice - Addition et soustraction de nombres rationnels

1 - Unifier les dénominateurs des fractions:

$$\frac{3}{8} = \frac{\dots}{\dots} \quad \text{et} \quad \frac{59}{56} = \frac{\dots}{\dots}$$

$$\frac{4}{5} = \frac{\dots}{\dots} \quad \text{et} \quad \frac{73}{55} = \frac{\dots}{\dots}$$

$$\frac{7}{10} = \frac{\dots}{\dots} \quad \text{et} \quad \frac{3}{4} = \frac{\dots}{\dots}$$

$$\frac{9}{14} = \frac{\dots}{\dots} \quad \text{et} \quad \frac{7}{12} = \frac{\dots}{\dots}$$

2 - Calculer:

$$\frac{5}{12} + \frac{5}{6} = \frac{\dots}{\dots} + \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$\frac{7}{6} + 4 = \frac{\dots}{\dots} + \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$\frac{7}{6} + 5 = \frac{\dots}{\dots} + \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$\frac{7}{4} + \frac{45}{28} = \frac{\dots}{\dots} + \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$\frac{7}{8} + \frac{7}{10} = \frac{\dots}{\dots} + \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

3 - Calculer:

$$\frac{9}{10} - \frac{5}{8} = \frac{\dots}{\dots} - \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$\frac{7}{6} - \frac{9}{10} = \frac{\dots}{\dots} - \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$7 - \frac{6}{5} = \frac{\dots}{\dots} - \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$\frac{7}{8} - \frac{13}{24} = \frac{\dots}{\dots} - \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$7 - \frac{3}{8} = \frac{\dots}{\dots} - \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

Correction - Addition et soustraction de nombres rationnels

1 - Unifier les dénominateurs des fractions:

$$\frac{3}{8} = \frac{21}{56} \quad \text{et} \quad \frac{59}{56} = \frac{59}{56}$$

$$\frac{4}{5} = \frac{44}{55} \quad \text{et} \quad \frac{73}{55} = \frac{73}{55}$$

$$\frac{7}{10} = \frac{14}{20} \quad \text{et} \quad \frac{3}{4} = \frac{15}{20}$$

$$\frac{9}{14} = \frac{54}{84} \quad \text{et} \quad \frac{7}{12} = \frac{49}{84}$$

2 - Calculer:

$$\frac{5}{12} + \frac{5}{6} = \frac{5}{12} + \frac{10}{12} = \frac{15}{12}$$

$$\frac{7}{6} + 4 = \frac{7}{6} + \frac{24}{6} = \frac{31}{6}$$

$$\frac{7}{6} + 5 = \frac{7}{6} + \frac{30}{6} = \frac{37}{6}$$

$$\frac{7}{4} + \frac{45}{28} = \frac{49}{28} + \frac{45}{28} = \frac{94}{28}$$

$$\frac{7}{8} + \frac{7}{10} = \frac{35}{40} + \frac{28}{40} = \frac{63}{40}$$

3 - Calculer:

$$\frac{9}{10} - \frac{5}{8} = \frac{36}{40} - \frac{25}{40} = \frac{11}{40}$$

$$\frac{7}{6} - \frac{9}{10} = \frac{35}{30} - \frac{27}{30} = \frac{8}{30}$$

$$7 - \frac{6}{5} = \frac{35}{5} - \frac{6}{5} = \frac{29}{5}$$

$$\frac{7}{8} - \frac{13}{24} = \frac{21}{24} - \frac{13}{24} = \frac{8}{24}$$

$$7 - \frac{3}{8} = \frac{56}{8} - \frac{3}{8} = \frac{53}{8}$$