

分数のたし算とひき算

分数のひき算 3

年 組 番
名前

1 計算をしましょう。

$$\begin{aligned}\frac{1}{10} + \frac{3}{5} + \frac{1}{4} &= \frac{2}{20} + \frac{12}{20} + \frac{5}{20} \\ &= \frac{19}{20}\end{aligned}$$

$$\begin{aligned}\frac{7}{30} + \frac{1}{10} + 1\frac{1}{6} &= \frac{7}{30} + \frac{3}{30} + \frac{7}{6} \\ &= \frac{7}{30} + \frac{3}{30} + \frac{35}{30} \\ &= \frac{45}{30} = \frac{3}{2} = 1\frac{1}{2}\end{aligned}$$

$$\begin{aligned}\frac{2}{3} - \frac{1}{4} - \frac{1}{6} &= \frac{8}{12} - \frac{3}{12} - \frac{2}{12} \\ &= \frac{3}{12} = \frac{1}{4}\end{aligned}$$

$$\begin{aligned}2\frac{7}{9} - \frac{3}{4} - \frac{5}{6} &= \frac{25}{9} - \frac{3}{4} - \frac{5}{6} \\ &= \frac{100}{36} - \frac{27}{36} - \frac{30}{36} \\ &= \frac{43}{36} = 1\frac{7}{36}\end{aligned}$$

$$\begin{aligned}\frac{3}{4} + \frac{2}{3} - \frac{5}{12} &= \frac{9}{12} + \frac{8}{12} - \frac{5}{12} \\ &= \frac{12}{12} = 1\end{aligned}$$

$$\begin{aligned}1\frac{2}{3} + \frac{1}{8} - \frac{5}{6} &= \frac{5}{3} + \frac{1}{8} - \frac{5}{6} \\ &= \frac{40}{24} + \frac{3}{24} - \frac{20}{24} \\ &= \frac{23}{24}\end{aligned}$$

$$\begin{aligned}2\frac{1}{2} - \frac{8}{9} + \frac{11}{27} &= \frac{5}{2} - \frac{8}{9} + \frac{11}{27} \\ &= \frac{135}{54} - \frac{48}{54} + \frac{22}{54} \\ &= \frac{109}{54} = 2\frac{1}{54}\end{aligned}$$

$$\begin{aligned}1\frac{3}{7} - \frac{13}{14} + \frac{1}{3} &= \frac{10}{7} - \frac{13}{14} + \frac{1}{3} \\ &= \frac{60}{42} - \frac{39}{42} + \frac{14}{42} \\ &= \frac{33}{42}\end{aligned}$$

$$\begin{aligned}1\frac{2}{3} - \left(2\frac{3}{8} - 1\frac{1}{2}\right) &= \frac{5}{3} - \left(\frac{19}{8} - \frac{3}{2}\right) \\ &= \frac{5}{3} - \left(\frac{19}{8} - \frac{12}{8}\right) \\ &= \frac{5}{3} - \frac{12}{8} \\ &= \frac{40}{24} - \frac{36}{24} \\ &= \frac{19}{24}\end{aligned}$$

$$\begin{aligned}1\frac{7}{9} - \left(\frac{7}{8} + \frac{7}{36}\right) &= \frac{16}{9} - \left(\frac{63}{72} + \frac{14}{72}\right) \\ &= \frac{16}{9} - \frac{77}{72} \\ &= \frac{128}{72} - \frac{77}{72} \\ &= \frac{51}{72}\end{aligned}$$