



分数

3つの分数のたし算とひき算(3)

年

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名前

● 次の分数の計算をしましょう。

$$\begin{aligned} ① \quad & \frac{2}{5} + \frac{3}{8} + \frac{1}{4} \\ &= \frac{16}{40} + \frac{15}{40} + \frac{10}{40} \\ &= \frac{31}{40} + \frac{10}{40} \\ &= \frac{41}{40} \left(1\frac{1}{40} \right) \end{aligned}$$

$$\begin{aligned} ② \quad & \frac{8}{9} - \frac{1}{6} - \frac{1}{4} \\ &= \frac{32}{36} - \frac{6}{36} - \frac{9}{36} \\ &= \frac{26}{36} - \frac{9}{36} \\ &= \frac{17}{36} \end{aligned}$$

$$\begin{aligned} ③ \quad & \frac{5}{6} - \frac{2}{7} + \frac{1}{3} \\ &= \frac{35}{42} - \frac{12}{42} + \frac{14}{42} \\ &= \frac{23}{42} + \frac{14}{42} \\ &= \frac{37}{42} \end{aligned}$$

$$\begin{aligned} ④ \quad & 2\frac{3}{8} + \frac{5}{12} - \frac{1}{6} \\ &= 2\frac{9}{24} + \frac{10}{24} - \frac{4}{24} \\ &= 2\frac{19}{24} - \frac{4}{24} \\ &= 2\frac{15}{24} = 2\frac{15 \div 3}{24 \div 3} \\ &= 2\frac{5}{8} \end{aligned}$$

$$\begin{aligned} ⑤ \quad & 4\frac{2}{7} - 1\frac{5}{6} - \frac{3}{14} \\ &= 4\frac{12}{42} - 1\frac{35}{42} - \frac{9}{42} \\ &= 3\frac{54}{42} - 1\frac{35}{42} - \frac{9}{42} \\ &= 2\frac{19}{42} - \frac{9}{42} = 2\frac{10}{42} \\ &= 2\frac{10 \div 2}{42 \div 2} = 2\frac{5}{21} \end{aligned}$$

$$\begin{aligned} ⑥ \quad & 2\frac{5}{9} + 1\frac{2}{3} + \frac{1}{6} \\ &= 2\frac{10}{18} + 1\frac{12}{18} + \frac{3}{18} \\ &= 3\frac{22}{18} + \frac{3}{18} \\ &= 3\frac{25}{18} \\ &= 4\frac{7}{18} \end{aligned}$$