



分数

3つの分数のたし算とひき算(6)

年

組

名前

● 次の分数の計算をしましょう。

$$\begin{aligned} ① \quad & \frac{4}{9} + \frac{3}{10} + \frac{1}{6} \\ &= \frac{40}{90} + \frac{27}{90} + \frac{15}{90} \\ &= \frac{67}{90} + \frac{15}{90} \\ &= \frac{82}{90} = \frac{82 \div 2}{90 \div 2} \\ &= \frac{41}{45} \end{aligned}$$

$$\begin{aligned} ④ \quad & 2\frac{3}{7} + \frac{5}{6} - \frac{1}{2} \\ &= 2\frac{18}{42} + \frac{35}{42} - \frac{21}{42} \\ &= 2\frac{53}{42} - \frac{21}{42} \\ &= 2\frac{32}{42} = 2\frac{32 \div 2}{42 \div 2} \\ &= 2\frac{16}{21} \end{aligned}$$

$$\begin{aligned} ② \quad & \frac{17}{18} - \frac{1}{3} - \frac{1}{4} \\ &= \frac{34}{36} - \frac{12}{36} - \frac{9}{36} \\ &= \frac{22}{36} - \frac{9}{36} \\ &= \frac{13}{36} \end{aligned}$$

$$\begin{aligned} ⑤ \quad & 3\frac{5}{8} - 1\frac{3}{4} - \frac{1}{6} \\ &= 3\frac{15}{24} - 1\frac{18}{24} - \frac{4}{24} \\ &= 2\frac{39}{24} - 1\frac{18}{24} - \frac{4}{24} \\ &= 1\frac{21}{24} - \frac{4}{24} \\ &= 1\frac{17}{24} \end{aligned}$$

$$\begin{aligned} ③ \quad & \frac{11}{15} - \frac{3}{10} + \frac{1}{6} \\ &= \frac{22}{30} - \frac{9}{30} + \frac{5}{30} \\ &= \frac{13}{30} + \frac{5}{30} \\ &= \frac{18}{30} = \frac{18 \div 6}{30 \div 6} \\ &= \frac{3}{5} \end{aligned}$$

$$\begin{aligned} ⑥ \quad & 2\frac{4}{5} + 1\frac{7}{15} + \frac{1}{3} \\ &= 2\frac{12}{15} + 1\frac{7}{15} + \frac{5}{15} \\ &= 3\frac{19}{15} + \frac{5}{15} \\ &= 3\frac{24}{15} = 3\frac{24 \div 3}{15 \div 3} \\ &= 3\frac{8}{5} = 4\frac{3}{5} \end{aligned}$$