



分数

帯分数のたし算とひき算(6)

年

組

名前

1 次の分数を帯分数のまま通分して、計算しましょう。

$$\begin{aligned} ① \quad & 2\frac{11}{12} + 1\frac{3}{4} \\ &= 2\frac{11}{12} + 1\frac{9}{12} \\ &= 3\frac{20}{12} = 3\frac{20 \div 4}{12 \div 4} \\ &= 3\frac{5}{3} = 4\frac{2}{3} \end{aligned}$$

$$\begin{aligned} ② \quad & 4\frac{3}{7} - 1\frac{5}{14} \\ &= 4\frac{6}{14} - 1\frac{5}{14} \\ &= 3\frac{1}{14} \end{aligned}$$

$$\begin{aligned} ③ \quad & 1\frac{7}{8} + \frac{5}{12} \\ &= 1\frac{21}{24} + \frac{10}{24} \\ &= 1\frac{31}{24} \\ &= 2\frac{7}{24} \end{aligned}$$

$$\begin{aligned} ④ \quad & 3\frac{1}{6} - 2\frac{1}{2} \\ &= 3\frac{1}{6} - 2\frac{3}{6} \\ &= 2\frac{7}{6} - 2\frac{3}{6} \\ &= \frac{4}{6} = \frac{4 \div 2}{6 \div 2} = \frac{2}{3} \end{aligned}$$

2 次の帯分数を仮分数になおしてから通分して、計算しましょう。

$$\begin{aligned} ① \quad & 3\frac{1}{5} - 1\frac{1}{4} \\ &= \frac{16}{5} - \frac{5}{4} \\ &= \frac{64}{20} - \frac{25}{20} \\ &= \frac{39}{20} \left(1\frac{19}{20} \right) \end{aligned}$$

$$\begin{aligned} ② \quad & 4\frac{1}{3} - 2\frac{4}{7} \\ &= \frac{13}{3} - \frac{18}{7} \\ &= \frac{91}{21} - \frac{54}{21} \\ &= \frac{37}{21} \left(1\frac{16}{21} \right) \end{aligned}$$

$$\begin{aligned} ③ \quad & 3\frac{2}{9} - 1\frac{1}{2} \\ &= \frac{29}{9} - \frac{3}{2} \\ &= \frac{58}{18} - \frac{27}{18} \\ &= \frac{31}{18} \left(1\frac{13}{18} \right) \end{aligned}$$

$$\begin{aligned} ④ \quad & 2\frac{1}{15} - 1\frac{2}{5} \\ &= \frac{31}{15} - \frac{7}{5} \\ &= \frac{31}{15} - \frac{21}{15} \\ &= \frac{10}{15} = \frac{10 \div 5}{15 \div 5} \\ &= \frac{2}{3} \end{aligned}$$