



分数

3つの分数のたし算とひき算(1)

年

組

名前

● 次の分数の計算をしましょう。

① $\frac{2}{3} + \frac{3}{4} + \frac{1}{6}$

② $\frac{7}{8} - \frac{1}{3} - \frac{1}{4}$

③ $\frac{5}{8} - \frac{1}{3} + \frac{1}{6}$

④ $1\frac{5}{6} + \frac{2}{9} - \frac{3}{4}$

⑤ $2\frac{3}{5} - \frac{3}{4} - \frac{1}{2}$

⑥ $1\frac{3}{4} + 2\frac{2}{3} + \frac{5}{6}$



分数

3つの分数のたし算とひき算(2)

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● 次の分数の計算をしましょう。

① $\frac{3}{4} + \frac{2}{5} + \frac{1}{10}$

② $\frac{11}{12} - \frac{1}{4} - \frac{2}{9}$

③ $\frac{7}{10} - \frac{1}{6} + \frac{2}{15}$

④ $1\frac{2}{7} + \frac{3}{14} - \frac{1}{3}$

⑤ $3\frac{2}{3} - 1\frac{3}{4} - \frac{2}{5}$

⑥ $1\frac{4}{5} + 2\frac{3}{10} + \frac{3}{4}$



分数

3つの分数のたし算とひき算(3)

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● 次の分数の計算をしましょう。

① $\frac{2}{5} + \frac{3}{8} + \frac{1}{4}$

② $\frac{8}{9} - \frac{1}{6} - \frac{1}{4}$

③ $\frac{5}{6} - \frac{2}{7} + \frac{1}{3}$

④ $2\frac{3}{8} + \frac{5}{12} - \frac{1}{6}$

⑤ $4\frac{2}{7} - 1\frac{5}{6} - \frac{3}{14}$

⑥ $2\frac{5}{9} + 1\frac{2}{3} + \frac{1}{6}$



分数

3つの分数のたし算とひき算(4)

年

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● 次の分数の計算をしましょう。

① $\frac{3}{7} + \frac{5}{6} + \frac{1}{2}$

② $\frac{9}{10} - \frac{2}{5} - \frac{1}{6}$

③ $\frac{7}{12} - \frac{1}{8} + \frac{1}{3}$

④ $1\frac{4}{9} + \frac{5}{6} - \frac{1}{3}$

⑤ $3\frac{3}{10} - 1\frac{2}{3} - \frac{1}{4}$

⑥ $2\frac{2}{7} + 1\frac{5}{14} + \frac{3}{4}$



分数

3つの分数のたし算とひき算(5)

年

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名前

● 次の分数の計算をしましょう。

① $\frac{5}{8} + \frac{2}{9} + \frac{1}{6}$

② $\frac{13}{15} - \frac{1}{6} - \frac{1}{5}$

③ $\frac{4}{7} - \frac{1}{3} + \frac{5}{21}$

④ $2\frac{5}{12} + \frac{3}{8} - \frac{1}{4}$

⑤ $4\frac{3}{7} - 2\frac{2}{3} - \frac{1}{6}$

⑥ $1\frac{5}{8} + 2\frac{7}{12} + \frac{1}{6}$



分数

3つの分数のたし算とひき算(6)

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● 次の分数の計算をしましょう。

① $\frac{4}{9} + \frac{3}{10} + \frac{1}{6}$

② $\frac{17}{18} - \frac{1}{3} - \frac{1}{4}$

③ $\frac{11}{15} - \frac{3}{10} + \frac{1}{6}$

④ $2\frac{3}{7} + \frac{5}{6} - \frac{1}{2}$

⑤ $3\frac{5}{8} - 1\frac{3}{4} - \frac{1}{6}$

⑥ $2\frac{4}{5} + 1\frac{7}{15} + \frac{1}{3}$



分数

3つの分数のたし算とひき算(7)

年

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● 次の分数の計算をしましょう。

① $\frac{3}{8} + \frac{4}{7} + \frac{1}{4}$

② $\frac{11}{14} - \frac{1}{7} - \frac{1}{3}$

③ $\frac{7}{9} - \frac{1}{6} + \frac{1}{12}$

④ $1\frac{7}{10} + \frac{2}{3} - \frac{1}{5}$

⑤ $4\frac{4}{9} - 2\frac{5}{6} - \frac{1}{12}$

⑥ $1\frac{5}{6} + 2\frac{3}{8} + \frac{7}{12}$



分数

3つの分数のたし算とひき算(8)

年

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● 次の分数の計算をしましょう。

① $\frac{5}{6} + \frac{3}{10} + \frac{1}{4}$

② $\frac{13}{16} - \frac{1}{4} - \frac{3}{8}$

③ $\frac{9}{10} - \frac{2}{7} + \frac{1}{14}$

④ $2\frac{5}{12} + \frac{7}{18} - \frac{1}{6}$

⑤ $3\frac{5}{14} - 1\frac{2}{3} - \frac{1}{7}$

⑥ $2\frac{7}{12} + 1\frac{5}{18} + \frac{11}{12}$



分数

3つの分数のたし算とひき算(1)

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● 次の分数の計算をしましょう。

$$\begin{aligned} ① \quad & \frac{2}{3} + \frac{3}{4} + \frac{1}{6} \\ &= \frac{8}{12} + \frac{9}{12} + \frac{2}{12} \\ &= \frac{17}{12} + \frac{2}{12} \\ &= \frac{19}{12} \left(1\frac{7}{12} \right) \end{aligned}$$

$$\begin{aligned} ② \quad & \frac{7}{8} - \frac{1}{3} - \frac{1}{4} \\ &= \frac{21}{24} - \frac{8}{24} - \frac{6}{24} \\ &= \frac{13}{24} - \frac{6}{24} \\ &= \frac{7}{24} \end{aligned}$$

$$\begin{aligned} ③ \quad & \frac{5}{8} - \frac{1}{3} + \frac{1}{6} \\ &= \frac{15}{24} - \frac{8}{24} + \frac{4}{24} \\ &= \frac{7}{24} + \frac{4}{24} \\ &= \frac{11}{24} \end{aligned}$$

$$\begin{aligned} ④ \quad & 1\frac{5}{6} + \frac{2}{9} - \frac{3}{4} \\ &= 1\frac{30}{36} + \frac{8}{36} - \frac{27}{36} \\ &= 1\frac{38}{36} - \frac{27}{36} \\ &= 1\frac{11}{36} \end{aligned}$$

$$\begin{aligned} ⑤ \quad & 2\frac{3}{5} - \frac{3}{4} - \frac{1}{2} \\ &= 2\frac{12}{20} - \frac{15}{20} - \frac{10}{20} \\ &= 1\frac{32}{20} - \frac{15}{20} - \frac{10}{20} \\ &= 1\frac{17}{20} - \frac{10}{20} \\ &= 1\frac{7}{20} \end{aligned}$$

$$\begin{aligned} ⑥ \quad & 1\frac{3}{4} + 2\frac{2}{3} + \frac{5}{6} \\ &= 1\frac{9}{12} + 2\frac{8}{12} + \frac{10}{12} \\ &= 3\frac{17}{12} + \frac{10}{12} \\ &= 3\frac{27}{12} = 3\frac{27 \div 3}{12 \div 3} \\ &= 3\frac{9}{4} = 5\frac{1}{4} \end{aligned}$$



分数

3つの分数のたし算とひき算(2)

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● 次の分数の計算をしましょう。

$$\begin{aligned} ① \quad & \frac{3}{4} + \frac{2}{5} + \frac{1}{10} \\ &= \frac{15}{20} + \frac{8}{20} + \frac{2}{20} \\ &= \frac{23}{20} + \frac{2}{20} \\ &= \frac{25}{20} = \frac{25 \div 5}{20 \div 5} \\ &= \frac{5}{4} \left(1 \frac{1}{4} \right) \end{aligned}$$

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

$$\begin{aligned} ② \quad & \frac{11}{12} - \frac{1}{4} - \frac{2}{9} \\ &= \frac{33}{36} - \frac{9}{36} - \frac{8}{36} \\ &= \frac{24}{36} - \frac{8}{36} \\ &= \frac{16}{36} = \frac{16 \div 4}{36 \div 4} \\ &= \frac{4}{9} \end{aligned}$$

$$\begin{aligned} ⑤ \quad & 3 \frac{2}{3} - 1 \frac{3}{4} - \frac{2}{5} \\ &= 3 \frac{40}{60} - 1 \frac{45}{60} - \frac{24}{60} \\ &= 2 \frac{100}{60} - 1 \frac{45}{60} - \frac{24}{60} \\ &= 1 \frac{55}{60} - \frac{24}{60} \\ &= 1 \frac{31}{60} \end{aligned}$$

$$\begin{aligned} ③ \quad & \frac{7}{10} - \frac{1}{6} + \frac{2}{15} \\ &= \frac{21}{30} - \frac{5}{30} + \frac{4}{30} \\ &= \frac{16}{30} + \frac{4}{30} \\ &= \frac{20}{30} = \frac{20 \div 10}{30 \div 10} \\ &= \frac{2}{3} \end{aligned}$$

$$\begin{aligned} ⑥ \quad & 1 \frac{4}{5} + 2 \frac{3}{10} + \frac{3}{4} \\ &= 1 \frac{16}{20} + 2 \frac{6}{20} + \frac{15}{20} \\ &= 3 \frac{22}{20} + \frac{15}{20} \\ &= 3 \frac{37}{20} \\ &= 4 \frac{17}{20} \end{aligned}$$



分数

3つの分数のたし算とひき算(3)

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● 次の分数の計算をしましょう。

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

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

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

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

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

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



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3つの分数のたし算とひき算(4)

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● 次の分数の計算をしましょう。

$$\begin{aligned} ① \quad & \frac{3}{7} + \frac{5}{6} + \frac{1}{2} \\ &= \frac{18}{42} + \frac{35}{42} + \frac{21}{42} \\ &= \frac{53}{42} + \frac{21}{42} \\ &= \frac{74}{42} = \frac{74 \div 2}{42 \div 2} \\ &= \frac{37}{21} \left(1 \frac{16}{21} \right) \end{aligned}$$

$$\begin{aligned} ④ \quad & 1 \frac{4}{9} + \frac{5}{6} - \frac{1}{3} \\ &= 1 \frac{8}{18} + \frac{15}{18} - \frac{6}{18} \\ &= 1 \frac{23}{18} - \frac{6}{18} \\ &= 1 \frac{17}{18} \end{aligned}$$

$$\begin{aligned} ② \quad & \frac{9}{10} - \frac{2}{5} - \frac{1}{6} \\ &= \frac{27}{30} - \frac{12}{30} - \frac{5}{30} \\ &= \frac{15}{30} - \frac{5}{30} \\ &= \frac{10}{30} = \frac{10 \div 10}{30 \div 10} \\ &= \frac{1}{3} \end{aligned}$$

$$\begin{aligned} ⑤ \quad & 3 \frac{3}{10} - 1 \frac{2}{3} - \frac{1}{4} \\ &= 3 \frac{18}{60} - 1 \frac{40}{60} - \frac{15}{60} \\ &= 2 \frac{78}{60} - 1 \frac{40}{60} - \frac{15}{60} \\ &= 1 \frac{38}{60} - \frac{15}{60} \\ &= 1 \frac{23}{60} \end{aligned}$$

$$\begin{aligned} ③ \quad & \frac{7}{12} - \frac{1}{8} + \frac{1}{3} \\ &= \frac{14}{24} - \frac{3}{24} + \frac{8}{24} \\ &= \frac{11}{24} + \frac{8}{24} \\ &= \frac{19}{24} \end{aligned}$$

$$\begin{aligned} ⑥ \quad & 2 \frac{2}{7} + 1 \frac{5}{14} + \frac{3}{4} \\ &= 2 \frac{8}{28} + 1 \frac{10}{28} + \frac{21}{28} \\ &= 3 \frac{18}{28} + \frac{21}{28} \\ &= 3 \frac{39}{28} \\ &= 4 \frac{11}{28} \end{aligned}$$



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3つの分数のたし算とひき算(5)

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● 次の分数の計算をしましょう。

$$\begin{aligned} ① \quad & \frac{5}{8} + \frac{2}{9} + \frac{1}{6} \\ &= \frac{45}{72} + \frac{16}{72} + \frac{12}{72} \\ &= \frac{61}{72} + \frac{12}{72} \\ &= \frac{73}{72} \left(1\frac{1}{72} \right) \end{aligned}$$

$$\begin{aligned} ② \quad & \frac{13}{15} - \frac{1}{6} - \frac{1}{5} \\ &= \frac{26}{30} - \frac{5}{30} - \frac{6}{30} \\ &= \frac{21}{30} - \frac{6}{30} \\ &= \frac{15}{30} = \frac{15 \div 15}{30 \div 15} \\ &= \frac{1}{2} \end{aligned}$$

$$\begin{aligned} ③ \quad & \frac{4}{7} - \frac{1}{3} + \frac{5}{21} \\ &= \frac{12}{21} - \frac{7}{21} + \frac{5}{21} \\ &= \frac{5}{21} + \frac{5}{21} \\ &= \frac{10}{21} \end{aligned}$$

$$\begin{aligned} ④ \quad & 2\frac{5}{12} + \frac{3}{8} - \frac{1}{4} \\ &= 2\frac{10}{24} + \frac{9}{24} - \frac{6}{24} \\ &= 2\frac{19}{24} - \frac{6}{24} \\ &= 2\frac{13}{24} \end{aligned}$$

$$\begin{aligned} ⑤ \quad & 4\frac{3}{7} - 2\frac{2}{3} - \frac{1}{6} \\ &= 4\frac{18}{42} - 2\frac{28}{42} - \frac{7}{42} \\ &= 3\frac{60}{42} - 2\frac{28}{42} - \frac{7}{42} \\ &= 1\frac{32}{42} - \frac{7}{42} \\ &= 1\frac{25}{42} \end{aligned}$$

$$\begin{aligned} ⑥ \quad & 1\frac{5}{8} + 2\frac{7}{12} + \frac{1}{6} \\ &= 1\frac{15}{24} + 2\frac{14}{24} + \frac{4}{24} \\ &= 3\frac{29}{24} + \frac{4}{24} \\ &= 3\frac{33}{24} = 3\frac{33 \div 3}{24 \div 3} \\ &= 3\frac{11}{8} = 4\frac{3}{8} \end{aligned}$$



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3つの分数のたし算とひき算(6)

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● 次の分数の計算をしましょう。

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

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

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

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

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

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



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3つの分数のたし算とひき算(7)

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● 次の分数の計算をしましょう。

$$\begin{aligned} ① \quad & \frac{3}{8} + \frac{4}{7} + \frac{1}{4} \\ &= \frac{21}{56} + \frac{32}{56} + \frac{14}{56} \\ &= \frac{53}{56} + \frac{14}{56} \\ &= \frac{67}{56} \left(1 \frac{11}{56} \right) \end{aligned}$$

$$\begin{aligned} ② \quad & \frac{11}{14} - \frac{1}{7} - \frac{1}{3} \\ &= \frac{33}{42} - \frac{6}{42} - \frac{14}{42} \\ &= \frac{27}{42} - \frac{14}{42} \\ &= \frac{13}{42} \end{aligned}$$

$$\begin{aligned} ③ \quad & \frac{7}{9} - \frac{1}{6} + \frac{1}{12} \\ &= \frac{28}{36} - \frac{6}{36} + \frac{3}{36} \\ &= \frac{22}{36} + \frac{3}{36} \\ &= \frac{25}{36} \end{aligned}$$

$$\begin{aligned} ④ \quad & 1 \frac{7}{10} + \frac{2}{3} - \frac{1}{5} \\ &= 1 \frac{21}{30} + \frac{20}{30} - \frac{6}{30} \\ &= 1 \frac{41}{30} - \frac{6}{30} \\ &= 1 \frac{35}{30} = 1 \frac{35 \div 5}{30 \div 5} \\ &= 1 \frac{7}{6} = 2 \frac{1}{6} \end{aligned}$$

$$\begin{aligned} ⑤ \quad & 4 \frac{4}{9} - 2 \frac{5}{6} - \frac{1}{12} \\ &= 4 \frac{16}{36} - 2 \frac{30}{36} - \frac{3}{36} \\ &= 3 \frac{52}{36} - 2 \frac{30}{36} - \frac{3}{36} \\ &= 1 \frac{22}{36} - \frac{3}{36} \\ &= 1 \frac{19}{36} \end{aligned}$$

$$\begin{aligned} ⑥ \quad & 1 \frac{5}{6} + 2 \frac{3}{8} + \frac{7}{12} \\ &= 1 \frac{20}{24} + 2 \frac{9}{24} + \frac{14}{24} \\ &= 3 \frac{29}{24} + \frac{14}{24} \\ &= 3 \frac{43}{24} \\ &= 4 \frac{19}{24} \end{aligned}$$



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$$\begin{aligned} ① \quad & \frac{5}{6} + \frac{3}{10} + \frac{1}{4} \\ &= \frac{50}{60} + \frac{18}{60} + \frac{15}{60} \\ &= \frac{68}{60} + \frac{15}{60} \\ &= \frac{83}{60} \left(1 \frac{23}{60} \right) \end{aligned}$$

$$\begin{aligned} ② \quad & \frac{13}{16} - \frac{1}{4} - \frac{3}{8} \\ &= \frac{13}{16} - \frac{4}{16} - \frac{6}{16} \\ &= \frac{9}{16} - \frac{6}{16} \\ &= \frac{3}{16} \end{aligned}$$

$$\begin{aligned} ③ \quad & \frac{9}{10} - \frac{2}{7} + \frac{1}{14} \\ &= \frac{63}{70} - \frac{20}{70} + \frac{5}{70} \\ &= \frac{43}{70} + \frac{5}{70} \\ &= \frac{48}{70} = \frac{48 \div 2}{70 \div 2} \\ &= \frac{24}{35} \end{aligned}$$

$$\begin{aligned} ④ \quad & 2\frac{5}{12} + \frac{7}{18} - \frac{1}{6} \\ &= 2\frac{15}{36} + \frac{14}{36} - \frac{6}{36} \\ &= 2\frac{29}{36} - \frac{6}{36} \\ &= 2\frac{23}{36} \end{aligned}$$

$$\begin{aligned} ⑤ \quad & 3\frac{5}{14} - 1\frac{2}{3} - \frac{1}{7} \\ &= 3\frac{15}{42} - 1\frac{28}{42} - \frac{6}{42} \\ &= 2\frac{57}{42} - 1\frac{28}{42} - \frac{6}{42} \\ &= 1\frac{29}{42} - \frac{6}{42} \\ &= 1\frac{23}{42} \end{aligned}$$

$$\begin{aligned} ⑥ \quad & 2\frac{7}{12} + 1\frac{5}{18} + \frac{11}{12} \\ &= 2\frac{21}{36} + 1\frac{10}{36} + \frac{33}{36} \\ &= 3\frac{31}{36} + \frac{33}{36} \\ &= 3\frac{64}{36} = 3\frac{64 \div 4}{36 \div 4} \\ &= 3\frac{16}{9} = 4\frac{7}{9} \end{aligned}$$