

・次の計算をしましょう。

<例>

$$\textcircled{1} \quad \frac{7}{9} - \frac{2}{9} = \frac{7-2}{9} = \frac{5}{9}$$

分数のひき算では
分子どうしのひき
算をする

$$\textcircled{2} \quad 1 - \frac{5}{8} = \frac{8}{8} - \frac{5}{8} \quad \leftarrow 1 = \frac{8}{8}$$

$$= \frac{8-5}{8} = \frac{3}{8}$$

《練習》

$$\textcircled{1} \quad \frac{8}{11} - \frac{4}{11} = \frac{8-4}{11} = \frac{4}{11}$$

$$\textcircled{2} \quad 1 - \frac{1}{7} = \frac{7}{7} - \frac{1}{7} \quad \leftarrow 1 = \frac{7}{7}$$

$$= \frac{7-1}{7} = \frac{6}{7}$$

$$\textcircled{1} \quad \frac{12}{13} - \frac{5}{13} = \frac{12-5}{13} = \frac{7}{13}$$

$$\textcircled{2} \quad \frac{4}{5} - \frac{3}{5} = \frac{4-3}{5} = \frac{1}{5}$$

$$\textcircled{3} \quad \frac{7}{8} - \frac{2}{8} = \frac{7-2}{8} = \frac{5}{8}$$

$$\textcircled{4} \quad \frac{15}{17} - \frac{9}{17} = \frac{15-9}{17} = \frac{6}{17}$$

$$\textcircled{5} \quad 1 - \frac{1}{3} = \frac{3}{3} - \frac{1}{3} = \frac{3-1}{3} = \frac{2}{3}$$

$$\textcircled{6} \quad 1 - \frac{5}{9} = \frac{9}{9} - \frac{5}{9} = \frac{9-5}{9} = \frac{4}{9}$$

$$\textcircled{7} \quad 1 - \frac{3}{14} = \frac{14}{14} - \frac{3}{14} = \frac{14-3}{14} = \frac{11}{14}$$

$$\textcircled{8} \quad 1 - \frac{3}{4} = \frac{4}{4} - \frac{3}{4} = \frac{4-3}{4} = \frac{1}{4}$$

$$\textcircled{9} \quad \frac{6}{7} - \frac{3}{7} = \frac{6-3}{7} = \frac{3}{7}$$

$$\textcircled{10} \quad \frac{13}{19} - \frac{9}{19} = \frac{13-9}{19} = \frac{4}{19}$$

$$\textcircled{11} \quad \frac{14}{15} - \frac{6}{15} = \frac{14-6}{15} = \frac{8}{15}$$

$$\textcircled{12} \quad \frac{18}{23} - \frac{13}{23} = \frac{18-13}{23} = \frac{5}{23}$$

$$\textcircled{13} \quad \frac{9}{11} - \frac{8}{11} = \frac{9-8}{11} = \frac{1}{11}$$

$$\textcircled{14} \quad \frac{17}{21} - \frac{15}{21} = \frac{17-15}{21} = \frac{2}{21}$$

$$\textcircled{15} \quad 1 - \frac{1}{2} = \frac{2}{2} - \frac{1}{2} = \frac{2-1}{2} = \frac{1}{2}$$

$$\textcircled{16} \quad 1 - \frac{9}{13} = \frac{13}{13} - \frac{9}{13} = \frac{13-9}{13} = \frac{4}{13}$$

$$\textcircled{17} \quad 1 - \frac{2}{5} = \frac{5}{5} - \frac{2}{5} = \frac{5-2}{5} = \frac{3}{5}$$

$$\textcircled{18} \quad 1 - \frac{11}{17} = \frac{17}{17} - \frac{11}{17} = \frac{17-11}{17} = \frac{6}{17}$$

$$\textcircled{19} \quad 1 - \frac{5}{24} = \frac{24}{24} - \frac{5}{24} = \frac{24-5}{24} = \frac{19}{24}$$

$$\textcircled{20} \quad 1 - \frac{13}{15} = \frac{15}{15} - \frac{13}{15} = \frac{15-13}{15} = \frac{2}{15}$$

・次の計算をしましょう。

<例>

$$\textcircled{1} \quad 4\frac{6}{7} - \frac{2}{7} = 4\frac{4}{7}$$

$$\begin{aligned} \textcircled{2} \quad 3 - \frac{1}{5} &= 2\frac{5}{5} - \frac{1}{5} && \leftarrow 3 = 2 + 1 \\ &= 2\frac{4}{5} && = 2 + \frac{5}{5} \\ & && = 2\frac{5}{5} \end{aligned}$$

<練習>

$$\textcircled{1} \quad 1\frac{8}{9} - \frac{4}{9} = 1\frac{4}{9}$$

$$\begin{aligned} \textcircled{2} \quad 6 - \frac{5}{6} &= 5\frac{6}{6} - \frac{5}{6} && \leftarrow 6 = 5 + 1 \\ &= 5\frac{1}{6} && = 5 + \frac{6}{6} \\ & && = 5\frac{6}{6} \end{aligned}$$

$$\textcircled{1} \quad 2\frac{4}{5} - \frac{1}{5} = 2\frac{3}{5}$$

$$\textcircled{2} \quad 5\frac{9}{11} - \frac{3}{11} = 5\frac{6}{11}$$

$$\textcircled{3} \quad 7\frac{15}{16} - \frac{14}{16} = 7\frac{1}{16}$$

$$\textcircled{4} \quad 10\frac{2}{3} - \frac{2}{3} = 10$$

$$\begin{aligned} \textcircled{5} \quad 4 - \frac{3}{8} &= 3\frac{8}{8} - \frac{3}{8} \\ &= 3\frac{5}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 8 - \frac{7}{10} &= 7\frac{10}{10} - \frac{7}{10} \\ &= 7\frac{3}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 9 - \frac{1}{4} &= 8\frac{4}{4} - \frac{1}{4} \\ &= 8\frac{3}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 10 - \frac{2}{7} &= 9\frac{7}{7} - \frac{2}{7} \\ &= 9\frac{5}{7} \end{aligned}$$

$$\textcircled{9} \quad 7\frac{12}{13} - \frac{4}{13} = 7\frac{8}{13}$$

$$\textcircled{10} \quad 2\frac{11}{15} - \frac{7}{15} = 2\frac{4}{15}$$

$$\textcircled{11} \quad 4\frac{8}{9} - \frac{8}{9} = 4$$

$$\textcircled{12} \quad 8\frac{13}{18} - \frac{8}{18} = 8\frac{5}{18}$$

$$\textcircled{13} \quad 1\frac{21}{23} - \frac{6}{23} = 1\frac{15}{23}$$

$$\textcircled{14} \quad 3\frac{5}{7} - \frac{5}{7} = 3$$

$$\begin{aligned} \textcircled{15} \quad 2 - \frac{1}{2} &= 1\frac{2}{2} - \frac{1}{2} \\ &= 1\frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 5 - \frac{2}{3} &= 4\frac{3}{3} - \frac{2}{3} \\ &= 4\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad 11 - \frac{5}{14} &= 10\frac{14}{14} - \frac{5}{14} \\ &= 10\frac{9}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad 7 - \frac{7}{17} &= 6\frac{17}{17} - \frac{7}{17} \\ &= 6\frac{10}{17} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad 3 - \frac{7}{9} &= 2\frac{9}{9} - \frac{7}{9} \\ &= 2\frac{2}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad 8 - \frac{8}{11} &= 7\frac{11}{11} - \frac{8}{11} \\ &= 7\frac{3}{11} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\textcircled{1} \quad 5\frac{2}{6} - 2\frac{1}{6} = 3\frac{1}{6}$$

整数部分... $5 - 2 = 3$
 分数部分... $\frac{2}{6} - \frac{1}{6} = \frac{1}{6}$

$$\textcircled{2} \quad 8 - 1\frac{2}{7} = 7\frac{7}{7} - 1\frac{2}{7}$$

$= 6\frac{5}{7}$

$8 = 7 + 1 = 7 + \frac{7}{7} = 7\frac{7}{7}$

<練習>

$$\textcircled{1} \quad 4\frac{10}{11} - 1\frac{2}{11} = 3\frac{8}{11}$$

$$\textcircled{2} \quad 3 - 2\frac{1}{4} = 2\frac{4}{4} - 2\frac{1}{4} = \frac{3}{4}$$

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

$$\textcircled{2} \quad 8\frac{11}{13} - 5\frac{4}{13} = 3\frac{7}{13}$$

$$\textcircled{3} \quad 3\frac{1}{2} - 1\frac{1}{2} = 2$$

$$\textcircled{4} \quad 10\frac{6}{7} - 4\frac{2}{7} = 6\frac{4}{7}$$

$$\textcircled{5} \quad 5 - 2\frac{8}{11} = 4\frac{11}{11} - 2\frac{8}{11} = 2\frac{3}{11}$$

$$\textcircled{6} \quad 9 - 6\frac{3}{8} = 8\frac{8}{8} - 6\frac{3}{8} = 2\frac{5}{8}$$

$$\textcircled{7} \quad 4 - 1\frac{2}{3} = 3\frac{3}{3} - 1\frac{2}{3} = 2\frac{1}{3}$$

$$\textcircled{8} \quad 10 - 9\frac{4}{5} = 9\frac{5}{5} - 9\frac{4}{5} = \frac{1}{5}$$

$$\textcircled{9} \quad 7\frac{13}{14} - 2\frac{4}{14} = 5\frac{9}{14}$$

$$\textcircled{10} \quad 2\frac{5}{6} - 1\frac{5}{6} = 1$$

$$\textcircled{11} \quad 12\frac{15}{17} - 3\frac{9}{17} = 9\frac{6}{17}$$

$$\textcircled{12} \quad 9\frac{10}{11} - 6\frac{2}{11} = 3\frac{8}{11}$$

$$\textcircled{13} \quad 10\frac{8}{9} - 4\frac{8}{9} = 6$$

$$\textcircled{14} \quad 11\frac{13}{15} - 5\frac{6}{15} = 6\frac{7}{15}$$

$$\textcircled{15} \quad 6 - 2\frac{3}{4} = 5\frac{4}{4} - 2\frac{3}{4} = 3\frac{1}{4}$$

$$\textcircled{16} \quad 8 - 1\frac{4}{13} = 7\frac{13}{13} - 1\frac{4}{13} = 6\frac{9}{13}$$

$$\textcircled{17} \quad 3 - 2\frac{5}{7} = 2\frac{7}{7} - 2\frac{5}{7} = \frac{2}{7}$$

$$\textcircled{18} \quad 12 - 6\frac{4}{21} = 11\frac{21}{21} - 6\frac{4}{21} = 5\frac{17}{21}$$

$$\textcircled{19} \quad 7 - 5\frac{11}{19} = 6\frac{19}{19} - 5\frac{11}{19} = 1\frac{8}{19}$$

$$\textcircled{20} \quad 15 - 14\frac{1}{7} = 14\frac{7}{7} - 14\frac{1}{7} = \frac{6}{7}$$

・次の計算をしましょう。

<例>

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

分数部分のひき算ができないときは整数部分からくり下げる。

《練習》

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

$$2\frac{1}{9} = 1 + 1\frac{1}{9} = 1 + \frac{10}{9} = 1\frac{10}{9}$$

$$\textcircled{1} \quad 5\frac{2}{7} - \frac{4}{7} = 4\frac{9}{7} - \frac{4}{7} \\ = 4\frac{5}{7}$$

$$\textcircled{2} \quad 3\frac{3}{8} - \frac{6}{8} = 2\frac{11}{8} - \frac{6}{8} \\ = 2\frac{5}{8}$$

$$\textcircled{3} \quad 6\frac{5}{11} - \frac{9}{11} = 5\frac{16}{11} - \frac{9}{11} \\ = 5\frac{7}{11}$$

$$\textcircled{4} \quad 1\frac{1}{3} - \frac{2}{3} = \frac{4}{3} - \frac{2}{3} \\ = \frac{2}{3}$$

$$\textcircled{5} \quad 2\frac{6}{13} - \frac{12}{13} = 1\frac{19}{13} - \frac{12}{13} \\ = 1\frac{7}{13}$$

$$\textcircled{6} \quad 8\frac{2}{5} - \frac{4}{5} = 7\frac{7}{5} - \frac{4}{5} \\ = 7\frac{3}{5}$$

$$\textcircled{7} \quad 4\frac{8}{15} - \frac{12}{15} = 3\frac{23}{15} - \frac{12}{15} \\ = 3\frac{11}{15}$$

$$\textcircled{8} \quad 7\frac{4}{14} - \frac{9}{14} = 6\frac{18}{14} - \frac{9}{14} \\ = 6\frac{9}{14}$$

$$\textcircled{9} \quad 1\frac{3}{11} - \frac{9}{11} = \frac{14}{11} - \frac{9}{11} \\ = \frac{5}{11}$$

$$\textcircled{10} \quad 3\frac{2}{6} - \frac{3}{6} = 2\frac{8}{6} - \frac{3}{6} \\ = 2\frac{5}{6}$$

$$\textcircled{11} \quad 4\frac{4}{17} - \frac{15}{17} = 3\frac{21}{17} - \frac{15}{17} \\ = 3\frac{6}{17}$$

$$\textcircled{12} \quad 8\frac{1}{12} - \frac{8}{12} = 7\frac{13}{12} - \frac{8}{12} \\ = 7\frac{5}{12}$$

$$\textcircled{13} \quad 5\frac{2}{9} - \frac{4}{9} = 4\frac{11}{9} - \frac{4}{9} \\ = 4\frac{7}{9}$$

$$\textcircled{14} \quad 10\frac{3}{7} - \frac{4}{7} = 9\frac{10}{7} - \frac{4}{7} \\ = 9\frac{6}{7}$$

$$\textcircled{15} \quad 16\frac{5}{13} - \frac{10}{13} = 15\frac{18}{13} - \frac{10}{13} \\ = 15\frac{8}{13}$$

$$\textcircled{16} \quad 2\frac{6}{19} - \frac{13}{19} = 1\frac{25}{19} - \frac{13}{19} \\ = 1\frac{12}{19}$$

$$\textcircled{17} \quad 7\frac{2}{4} - \frac{3}{4} = 6\frac{6}{4} - \frac{3}{4} \\ = 6\frac{3}{4}$$

$$\textcircled{18} \quad 1\frac{1}{8} - \frac{2}{8} = \frac{9}{8} - \frac{2}{8} \\ = \frac{7}{8}$$

$$\textcircled{19} \quad 6\frac{6}{23} - \frac{13}{23} = 5\frac{29}{23} - \frac{13}{23} \\ = 5\frac{16}{23}$$

$$\textcircled{20} \quad 4\frac{7}{10} - \frac{8}{10} = 3\frac{17}{10} - \frac{8}{10} \\ = 3\frac{9}{10}$$

・次の計算をしましょう。

<例>

$$4\frac{2}{11} - 1\frac{5}{11} = 3\frac{13}{11} - 1\frac{5}{11}$$

$$= 2\frac{8}{11}$$

$$4\frac{2}{11} = 3 + 1\frac{2}{11} = 3 + \frac{13}{11} = 3\frac{13}{11}$$

<練習>

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

$$= 3\frac{3}{5}$$

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

$$= 3\frac{5}{9}$$

$$\textcircled{2} \quad 10\frac{3}{7} - 7\frac{6}{7} = 9\frac{10}{7} - 7\frac{6}{7}$$

$$= 2\frac{4}{7}$$

$$\textcircled{3} \quad 8\frac{5}{14} - 5\frac{8}{14} = 7\frac{19}{14} - 5\frac{8}{14}$$

$$= 2\frac{11}{14}$$

$$\textcircled{4} \quad 9\frac{9}{15} - 3\frac{11}{15} = 8\frac{24}{15} - 3\frac{11}{15}$$

$$= 5\frac{13}{15}$$

$$\textcircled{5} \quad 5\frac{1}{3} - 4\frac{2}{3} = 4\frac{4}{3} - 4\frac{2}{3}$$

$$= \frac{2}{3}$$

$$\textcircled{6} \quad 14\frac{2}{4} - 6\frac{3}{4} = 13\frac{6}{4} - 6\frac{3}{4}$$

$$= 7\frac{3}{4}$$

$$\textcircled{7} \quad 11\frac{4}{8} - 9\frac{5}{8} = 10\frac{12}{8} - 9\frac{5}{8}$$

$$= 1\frac{7}{8}$$

$$\textcircled{8} \quad 7\frac{6}{13} - 2\frac{12}{13} = 6\frac{19}{13} - 2\frac{12}{13}$$

$$= 4\frac{7}{13}$$

$$\textcircled{9} \quad 2\frac{2}{17} - 1\frac{15}{17} = 1\frac{19}{17} - 1\frac{15}{17}$$

$$= \frac{4}{17}$$

$$\textcircled{10} \quad 12\frac{1}{10} - 5\frac{8}{10} = 11\frac{11}{10} - 5\frac{8}{10}$$

$$= 6\frac{3}{10}$$

$$\textcircled{11} \quad 7\frac{3}{5} - 4\frac{4}{5} = 6\frac{8}{5} - 4\frac{4}{5}$$

$$= 2\frac{4}{5}$$

$$\textcircled{12} \quad 8\frac{1}{8} - 3\frac{4}{8} = 7\frac{9}{8} - 3\frac{4}{8}$$

$$= 4\frac{5}{8}$$

$$\textcircled{13} \quad 13\frac{2}{6} - 9\frac{3}{6} = 12\frac{8}{6} - 9\frac{3}{6}$$

$$= 3\frac{5}{6}$$

$$\textcircled{14} \quad 4\frac{2}{19} - 2\frac{5}{19} = 3\frac{21}{19} - 2\frac{5}{19}$$

$$= 1\frac{16}{19}$$

$$\textcircled{15} \quad 10\frac{7}{11} - 1\frac{8}{11} = 9\frac{18}{11} - 1\frac{8}{11}$$

$$= 8\frac{10}{11}$$

$$\textcircled{16} \quad 6\frac{6}{12} - 5\frac{7}{12} = 5\frac{18}{12} - 5\frac{7}{12}$$

$$= \frac{11}{12}$$

$$\textcircled{17} \quad 5\frac{4}{29} - 2\frac{9}{29} = 4\frac{33}{29} - 2\frac{9}{29}$$

$$= 2\frac{24}{29}$$

$$\textcircled{18} \quad 9\frac{5}{23} - 8\frac{10}{23} = 8\frac{28}{23} - 8\frac{10}{23}$$

$$= \frac{18}{23}$$

$$\textcircled{19} \quad 14\frac{1}{7} - 10\frac{6}{7} = 13\frac{8}{7} - 10\frac{6}{7}$$

$$= 3\frac{2}{7}$$

$$\textcircled{20} \quad 11\frac{2}{9} - 4\frac{7}{9} = 10\frac{11}{9} - 4\frac{7}{9}$$

$$= 6\frac{4}{9}$$

・次の計算をしましょう。

<例>

$$\textcircled{1} \quad \frac{3}{8} - \frac{1}{8} = \frac{2}{8} = \frac{1}{4}$$

計算の結果、
できるものは
約分する。

$$\textcircled{2} \quad 5\frac{5}{6} - \frac{1}{6} = 5\frac{4}{6} = 5\frac{2}{3}$$

$$\textcircled{3} \quad 3\frac{9}{10} - 1\frac{3}{10} = 2\frac{6}{10} = 2\frac{3}{5}$$

<練習>

$$\textcircled{1} \quad \frac{11}{12} - \frac{5}{12} = \frac{6}{12} = \frac{1}{2}$$

$$\textcircled{2} \quad 2\frac{3}{4} - \frac{1}{4} = 2\frac{2}{4} = 2\frac{1}{2}$$

$$\textcircled{3} \quad 6\frac{14}{15} - 3\frac{4}{15} = 3\frac{10}{15} = 3\frac{2}{3}$$

$$\textcircled{1} \quad \frac{9}{10} - \frac{3}{10} = \frac{6}{10} \\ = \frac{3}{5}$$

$$\textcircled{2} \quad \frac{15}{16} - \frac{5}{16} = \frac{10}{16} \\ = \frac{5}{8}$$

$$\textcircled{3} \quad 6\frac{11}{14} - \frac{1}{14} = 6\frac{10}{14} \\ = 6\frac{5}{7}$$

$$\textcircled{4} \quad 1\frac{17}{20} - \frac{9}{20} = 1\frac{8}{20} \\ = 1\frac{2}{5}$$

$$\textcircled{5} \quad 7\frac{21}{25} - 4\frac{11}{25} = 3\frac{10}{25} \\ = 3\frac{2}{5}$$

$$\textcircled{6} \quad 9\frac{17}{18} - 2\frac{5}{18} = 7\frac{12}{18} \\ = 7\frac{2}{3}$$

$$\textcircled{7} \quad 5\frac{11}{12} - 5\frac{7}{12} = \frac{4}{12} \\ = \frac{1}{3}$$

$$\textcircled{8} \quad 10\frac{26}{27} - 3\frac{2}{27} = 7\frac{24}{27} \\ = 7\frac{8}{9}$$

$$\textcircled{9} \quad \frac{8}{9} - \frac{5}{9} = \frac{3}{9} \\ = \frac{1}{3}$$

$$\textcircled{11} \quad \frac{7}{18} - \frac{4}{18} = \frac{3}{18} \\ = \frac{1}{6}$$

$$\textcircled{13} \quad 5\frac{15}{16} - \frac{3}{16} = 5\frac{12}{16} \\ = 5\frac{3}{4}$$

$$\textcircled{15} \quad 7\frac{13}{15} - 3\frac{4}{15} = 4\frac{9}{15} \\ = 4\frac{3}{5}$$

$$\textcircled{17} \quad 8\frac{25}{28} - 1\frac{17}{28} = 7\frac{8}{28} \\ = 7\frac{2}{7}$$

$$\textcircled{19} \quad 16\frac{9}{10} - 7\frac{3}{10} = 9\frac{6}{10} \\ = 9\frac{3}{5}$$

$$\textcircled{10} \quad \frac{19}{21} - \frac{13}{21} = \frac{6}{21} \\ = \frac{2}{7}$$

$$\textcircled{12} \quad 2\frac{23}{24} - \frac{13}{24} = 2\frac{10}{24} \\ = 2\frac{5}{12}$$

$$\textcircled{14} \quad 9\frac{7}{12} - \frac{1}{12} = 9\frac{6}{12} \\ = 9\frac{1}{2}$$

$$\textcircled{16} \quad 11\frac{19}{20} - 6\frac{9}{20} = 5\frac{10}{20} \\ = 5\frac{1}{2}$$

$$\textcircled{18} \quad 2\frac{7}{8} - 2\frac{1}{8} = \frac{6}{8} \\ = \frac{3}{4}$$

$$\textcircled{20} \quad 12\frac{11}{14} - 4\frac{3}{14} = 8\frac{8}{14} \\ = 8\frac{4}{7}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} \quad 2\frac{1}{12} - \frac{5}{12} &= 1\frac{13}{12} - \frac{5}{12} \leftarrow 2\frac{1}{12} = 1\frac{13}{12} \\ &= 1\frac{8}{12} = 1\frac{2}{3} \leftarrow \text{約分} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 7\frac{1}{4} - 3\frac{3}{4} &= 6\frac{5}{4} - 3\frac{3}{4} \leftarrow 7\frac{1}{4} = 6\frac{5}{4} \\ &= 3\frac{2}{4} = 3\frac{1}{2} \leftarrow \text{約分} \end{aligned}$$

《練習》

$$\begin{aligned} \textcircled{1} \quad 5\frac{3}{8} - \frac{5}{8} &= 4\frac{11}{8} - \frac{5}{8} \\ &= 4\frac{6}{8} = 4\frac{3}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 6\frac{2}{9} - 2\frac{5}{9} &= 5\frac{11}{9} - 2\frac{5}{9} \\ &= 3\frac{6}{9} = 3\frac{2}{3} \end{aligned}$$

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

$$\begin{aligned} \textcircled{2} \quad 9\frac{3}{14} - \frac{9}{14} &= 8\frac{17}{14} - \frac{9}{14} \\ &= 8\frac{8}{14} \\ &= 8\frac{4}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 1\frac{1}{16} - \frac{3}{16} &= \frac{17}{16} - \frac{3}{16} \\ &= \frac{14}{16} \\ &= \frac{7}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 5\frac{5}{18} - \frac{13}{18} &= 4\frac{23}{18} - \frac{13}{18} \\ &= 4\frac{10}{18} \\ &= 4\frac{5}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 7\frac{8}{21} - 2\frac{11}{21} &= 6\frac{29}{21} - 2\frac{11}{21} \\ &= 4\frac{18}{21} \\ &= 4\frac{6}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 3\frac{3}{8} - 1\frac{7}{8} &= 2\frac{11}{8} - 1\frac{7}{8} \\ &= 1\frac{4}{8} \\ &= 1\frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 10\frac{5}{24} - 4\frac{19}{24} &= 9\frac{29}{24} - 4\frac{19}{24} \\ &= 5\frac{10}{24} \\ &= 5\frac{5}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 8\frac{1}{9} - 5\frac{7}{9} &= 7\frac{10}{9} - 5\frac{7}{9} \\ &= 2\frac{3}{9} \\ &= 2\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 6\frac{9}{20} - \frac{13}{20} &= 5\frac{29}{20} - \frac{13}{20} \\ &= 5\frac{16}{20} \\ &= 5\frac{4}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 3\frac{4}{27} - \frac{10}{27} &= 2\frac{31}{27} - \frac{10}{27} \\ &= 2\frac{21}{27} \\ &= 2\frac{7}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 8\frac{1}{24} - \frac{19}{24} &= 7\frac{25}{24} - \frac{19}{24} \\ &= 7\frac{6}{24} \\ &= 7\frac{1}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad 4\frac{1}{8} - 1\frac{5}{8} &= 3\frac{9}{8} - 1\frac{5}{8} \\ &= 2\frac{4}{8} \\ &= 2\frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad 6\frac{7}{18} - 5\frac{11}{18} &= 5\frac{25}{18} - 5\frac{11}{18} \\ &= \frac{14}{18} \\ &= \frac{7}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad 12\frac{4}{15} - 3\frac{13}{15} &= 11\frac{19}{15} - 3\frac{13}{15} \\ &= 8\frac{6}{15} \\ &= 8\frac{2}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 10\frac{1}{12} - \frac{7}{12} &= 9\frac{13}{12} - \frac{7}{12} \\ &= 9\frac{6}{12} \\ &= 9\frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 7\frac{5}{36} - \frac{29}{36} &= 6\frac{41}{36} - \frac{29}{36} \\ &= 6\frac{12}{36} \\ &= 6\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 1\frac{7}{16} - \frac{11}{16} &= \frac{23}{16} - \frac{11}{16} \\ &= \frac{12}{16} \\ &= \frac{3}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 13\frac{5}{14} - 9\frac{13}{14} &= 12\frac{19}{14} - 9\frac{13}{14} \\ &= 3\frac{6}{14} \\ &= 3\frac{3}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad 7\frac{9}{25} - 4\frac{19}{25} &= 6\frac{34}{25} - 4\frac{19}{25} \\ &= 2\frac{15}{25} \\ &= 2\frac{3}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad 9\frac{1}{32} - 2\frac{9}{32} &= 8\frac{33}{32} - 2\frac{9}{32} \\ &= 6\frac{24}{32} \\ &= 6\frac{3}{4} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\frac{5}{6} - \frac{3}{4} = \frac{10}{12} - \frac{9}{12}$$

分母が異なるときは、通分してからひき算する。

$$= \frac{1}{12}$$

<練習>

$$\frac{2}{3} - \frac{4}{7} = \frac{14}{21} - \frac{12}{21}$$

$$= \frac{2}{21}$$

$$\textcircled{1} \quad \frac{4}{5} - \frac{7}{20} = \frac{16}{20} - \frac{7}{20}$$

$$= \frac{9}{20}$$

$$\textcircled{2} \quad \frac{3}{4} - \frac{1}{16} = \frac{12}{16} - \frac{1}{16}$$

$$= \frac{11}{16}$$

$$\textcircled{3} \quad \frac{1}{5} - \frac{1}{6} = \frac{6}{30} - \frac{5}{30}$$

$$= \frac{1}{30}$$

$$\textcircled{4} \quad \frac{7}{9} - \frac{2}{5} = \frac{35}{45} - \frac{18}{45}$$

$$= \frac{17}{45}$$

$$\textcircled{5} \quad \frac{3}{4} - \frac{3}{10} = \frac{15}{20} - \frac{6}{20}$$

$$= \frac{9}{20}$$

$$\textcircled{6} \quad \frac{8}{15} - \frac{1}{6} = \frac{16}{30} - \frac{5}{30}$$

$$= \frac{11}{30}$$

$$\textcircled{7} \quad \frac{11}{12} - \frac{3}{8} = \frac{22}{24} - \frac{9}{24}$$

$$= \frac{13}{24}$$

$$\textcircled{8} \quad \frac{3}{4} - \frac{5}{14} = \frac{21}{28} - \frac{10}{28}$$

$$= \frac{11}{28}$$

$$\textcircled{9} \quad \frac{11}{14} - \frac{5}{7} = \frac{11}{14} - \frac{10}{14}$$

$$= \frac{1}{14}$$

$$\textcircled{10} \quad \frac{13}{18} - \frac{4}{9} = \frac{13}{18} - \frac{8}{18}$$

$$= \frac{5}{18}$$

$$\textcircled{11} \quad \frac{23}{24} - \frac{2}{3} = \frac{23}{24} - \frac{16}{24}$$

$$= \frac{7}{24}$$

$$\textcircled{12} \quad \frac{7}{12} - \frac{1}{6} = \frac{7}{12} - \frac{2}{12}$$

$$= \frac{5}{12}$$

$$\textcircled{13} \quad \frac{7}{8} - \frac{2}{7} = \frac{49}{56} - \frac{16}{56}$$

$$= \frac{33}{56}$$

$$\textcircled{14} \quad \frac{9}{11} - \frac{2}{3} = \frac{27}{33} - \frac{22}{33}$$

$$= \frac{5}{33}$$

$$\textcircled{15} \quad \frac{2}{7} - \frac{3}{11} = \frac{22}{77} - \frac{21}{77}$$

$$= \frac{1}{77}$$

$$\textcircled{16} \quad \frac{8}{9} - \frac{3}{4} = \frac{32}{36} - \frac{27}{36}$$

$$= \frac{5}{36}$$

$$\textcircled{17} \quad \frac{5}{6} - \frac{3}{8} = \frac{20}{24} - \frac{9}{24}$$

$$= \frac{11}{24}$$

$$\textcircled{18} \quad \frac{7}{9} - \frac{5}{12} = \frac{28}{36} - \frac{15}{36}$$

$$= \frac{13}{36}$$

$$\textcircled{19} \quad \frac{9}{14} - \frac{5}{21} = \frac{27}{42} - \frac{10}{42}$$

$$= \frac{17}{42}$$

$$\textcircled{20} \quad \frac{7}{8} - \frac{9}{14} = \frac{49}{56} - \frac{36}{56}$$

$$= \frac{13}{56}$$

・次の計算をしましょう。

<例>

$$\textcircled{1} \quad 1\frac{6}{11} - \frac{1}{2} = 1\frac{12}{22} - \frac{11}{22} \quad \leftarrow \text{通分}$$

$$= 1\frac{1}{22}$$

$$\textcircled{2} \quad 3\frac{3}{4} - 2\frac{1}{6} = 3\frac{9}{12} - 2\frac{2}{12} \quad \leftarrow \text{通分}$$

$$= 1\frac{7}{12}$$

<練習>

$$\textcircled{1} \quad 4\frac{5}{7} - \frac{2}{3} = 4\frac{15}{21} - \frac{14}{21}$$

$$= 4\frac{1}{21}$$

$$\textcircled{2} \quad 7\frac{11}{12} - 1\frac{1}{2} = 7\frac{11}{12} - 1\frac{6}{12}$$

$$= 6\frac{5}{12}$$

$$\textcircled{1} \quad 5\frac{7}{8} - \frac{1}{4} = 5\frac{7}{8} - \frac{2}{8}$$

$$= 5\frac{5}{8}$$

$$\textcircled{2} \quad 3\frac{1}{3} - \frac{1}{4} = 3\frac{4}{12} - \frac{3}{12}$$

$$= 3\frac{1}{12}$$

$$\textcircled{3} \quad 8\frac{5}{6} - \frac{2}{9} = 8\frac{15}{18} - \frac{4}{18}$$

$$= 8\frac{11}{18}$$

$$\textcircled{4} \quad 2\frac{11}{12} - \frac{7}{8} = 2\frac{22}{24} - \frac{21}{24}$$

$$= 2\frac{1}{24}$$

$$\textcircled{5} \quad 6\frac{17}{20} - 1\frac{2}{5} = 6\frac{17}{20} - 1\frac{8}{20}$$

$$= 5\frac{9}{20}$$

$$\textcircled{6} \quad 9\frac{3}{5} - 3\frac{1}{2} = 9\frac{6}{10} - 3\frac{5}{10}$$

$$= 6\frac{1}{10}$$

$$\textcircled{7} \quad 11\frac{7}{8} - 7\frac{5}{6} = 11\frac{21}{24} - 7\frac{20}{24}$$

$$= 4\frac{1}{24}$$

$$\textcircled{8} \quad 4\frac{13}{20} - 4\frac{1}{6} = 4\frac{39}{60} - 4\frac{10}{60}$$

$$= \frac{29}{60}$$

$$\textcircled{9} \quad 1\frac{2}{3} - \frac{2}{9} = 1\frac{6}{9} - \frac{2}{9}$$

$$= 1\frac{4}{9}$$

$$\textcircled{10} \quad 6\frac{11}{12} - \frac{5}{6} = 6\frac{11}{12} - \frac{10}{12}$$

$$= 6\frac{1}{12}$$

$$\textcircled{11} \quad 7\frac{8}{11} - \frac{1}{2} = 7\frac{16}{22} - \frac{11}{22}$$

$$= 7\frac{5}{22}$$

$$\textcircled{12} \quad 4\frac{5}{7} - \frac{1}{4} = 4\frac{20}{28} - \frac{7}{28}$$

$$= 4\frac{13}{28}$$

$$\textcircled{13} \quad 12\frac{3}{4} - \frac{5}{14} = 12\frac{21}{28} - \frac{10}{28}$$

$$= 12\frac{11}{28}$$

$$\textcircled{14} \quad 9\frac{7}{15} - \frac{2}{9} = 9\frac{21}{45} - \frac{10}{45}$$

$$= 9\frac{11}{45}$$

$$\textcircled{15} \quad 5\frac{13}{18} - 3\frac{1}{9} = 5\frac{13}{18} - 3\frac{2}{18}$$

$$= 2\frac{11}{18}$$

$$\textcircled{16} \quad 12\frac{33}{35} - 6\frac{4}{7} = 12\frac{33}{35} - 6\frac{20}{35}$$

$$= 6\frac{13}{35}$$

$$\textcircled{17} \quad 8\frac{7}{13} - 8\frac{2}{5} = 8\frac{35}{65} - 8\frac{26}{65}$$

$$= \frac{9}{65}$$

$$\textcircled{18} \quad 9\frac{7}{9} - 2\frac{5}{8} = 9\frac{56}{72} - 2\frac{45}{72}$$

$$= 7\frac{11}{72}$$

$$\textcircled{19} \quad 4\frac{5}{16} - 1\frac{1}{12} = 4\frac{15}{48} - 1\frac{4}{48}$$

$$= 3\frac{11}{48}$$

$$\textcircled{20} \quad 7\frac{11}{18} - 3\frac{3}{8} = 7\frac{44}{72} - 3\frac{27}{72}$$

$$= 4\frac{17}{72}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} 3\frac{2}{5} - \frac{3}{4} &= 3\frac{8}{20} - \frac{15}{20} && \leftarrow \text{通分} \\ &= 2\frac{28}{20} - \frac{15}{20} && \leftarrow 3\frac{8}{20} = 2\frac{28}{20} \\ &= 2\frac{13}{20} \end{aligned}$$

《練習》

$$\begin{aligned} 7\frac{4}{15} - \frac{5}{6} &= 7\frac{8}{30} - \frac{25}{30} \\ &= 6\frac{38}{30} - \frac{25}{30} \\ &= 6\frac{13}{30} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad 4\frac{1}{2} - \frac{7}{12} &= 4\frac{6}{12} - \frac{7}{12} \\ &= 3\frac{18}{12} - \frac{7}{12} \\ &= 3\frac{11}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 1\frac{3}{20} - \frac{4}{5} &= 1\frac{3}{20} - \frac{16}{20} \\ &= \frac{23}{20} - \frac{16}{20} \\ &= \frac{7}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 6\frac{2}{3} - \frac{6}{7} &= 6\frac{14}{21} - \frac{18}{21} \\ &= 5\frac{35}{21} - \frac{18}{21} \\ &= 5\frac{17}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 9\frac{4}{9} - \frac{3}{4} &= 9\frac{16}{36} - \frac{27}{36} \\ &= 8\frac{52}{36} - \frac{27}{36} \\ &= 8\frac{25}{36} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 5\frac{2}{9} - \frac{5}{6} &= 5\frac{4}{18} - \frac{15}{18} \\ &= 4\frac{22}{18} - \frac{15}{18} \\ &= 4\frac{7}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 2\frac{3}{8} - \frac{7}{12} &= 2\frac{9}{24} - \frac{14}{24} \\ &= 1\frac{33}{24} - \frac{14}{24} \\ &= 1\frac{19}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 3\frac{3}{10} - \frac{13}{15} &= 3\frac{9}{30} - \frac{26}{30} \\ &= 2\frac{39}{30} - \frac{26}{30} \\ &= 2\frac{13}{30} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 8\frac{1}{6} - \frac{3}{4} &= 8\frac{2}{12} - \frac{9}{12} \\ &= 7\frac{14}{12} - \frac{9}{12} \\ &= 7\frac{5}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 6\frac{3}{7} - \frac{9}{14} &= 6\frac{6}{14} - \frac{9}{14} \\ &= 5\frac{20}{14} - \frac{9}{14} \\ &= 5\frac{11}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 8\frac{8}{27} - \frac{4}{9} &= 8\frac{8}{27} - \frac{12}{27} \\ &= 7\frac{35}{27} - \frac{12}{27} \\ &= 7\frac{23}{27} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 1\frac{3}{5} - \frac{5}{7} &= 1\frac{21}{35} - \frac{25}{35} \\ &= \frac{56}{35} - \frac{25}{35} \\ &= \frac{31}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad 5\frac{4}{11} - \frac{1}{2} &= 5\frac{8}{22} - \frac{11}{22} \\ &= 4\frac{30}{22} - \frac{11}{22} \\ &= 4\frac{19}{22} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad 7\frac{1}{6} - \frac{11}{16} &= 7\frac{8}{48} - \frac{33}{48} \\ &= 6\frac{56}{48} - \frac{33}{48} \\ &= 6\frac{23}{48} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad 2\frac{3}{10} - \frac{5}{12} &= 2\frac{18}{60} - \frac{25}{60} \\ &= 1\frac{78}{60} - \frac{25}{60} \\ &= 1\frac{53}{60} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 10\frac{5}{24} - \frac{2}{3} &= 10\frac{5}{24} - \frac{16}{24} \\ &= 9\frac{29}{24} - \frac{16}{24} \\ &= 9\frac{13}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 2\frac{2}{5} - \frac{13}{30} &= 2\frac{12}{30} - \frac{13}{30} \\ &= 1\frac{42}{30} - \frac{13}{30} \\ &= 1\frac{29}{30} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 4\frac{1}{4} - \frac{2}{3} &= 4\frac{3}{12} - \frac{8}{12} \\ &= 3\frac{15}{12} - \frac{8}{12} \\ &= 3\frac{7}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 9\frac{3}{5} - \frac{7}{9} &= 9\frac{27}{45} - \frac{35}{45} \\ &= 8\frac{72}{45} - \frac{35}{45} \\ &= 8\frac{37}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad 6\frac{5}{12} - \frac{5}{9} &= 6\frac{15}{36} - \frac{20}{36} \\ &= 6\frac{51}{36} - \frac{20}{36} \\ &= 5\frac{31}{36} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad 1\frac{1}{8} - \frac{7}{10} &= 1\frac{5}{40} - \frac{28}{40} \\ &= \frac{45}{40} - \frac{28}{40} \\ &= \frac{17}{40} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} 5\frac{1}{8} - 1\frac{1}{6} &= 5\frac{3}{24} - 1\frac{4}{24} && \leftarrow \text{通分} \\ &= 4\frac{27}{24} - 1\frac{4}{24} && \leftarrow 5\frac{3}{24} = 4\frac{27}{24} \\ &= 3\frac{23}{24} \end{aligned}$$

<練習>

$$\begin{aligned} 9\frac{3}{16} - 4\frac{3}{4} &= 9\frac{3}{16} - 4\frac{12}{16} \\ &= 8\frac{19}{16} - 4\frac{12}{16} \\ &= 4\frac{7}{16} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad 7\frac{1}{2} - 2\frac{15}{16} &= 7\frac{8}{16} - 2\frac{15}{16} \\ &= 6\frac{24}{16} - 2\frac{15}{16} \\ &= 4\frac{9}{16} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 10\frac{8}{15} - 3\frac{2}{3} &= 10\frac{8}{15} - 3\frac{10}{15} \\ &= 9\frac{23}{15} - 3\frac{10}{15} \\ &= 6\frac{13}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 6\frac{3}{7} - 5\frac{3}{4} &= 6\frac{12}{28} - 5\frac{21}{28} \\ &= 5\frac{40}{28} - 5\frac{21}{28} \\ &= \frac{19}{28} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 4\frac{1}{2} - 1\frac{2}{3} &= 4\frac{3}{6} - 1\frac{4}{6} \\ &= 3\frac{9}{6} - 1\frac{4}{6} \\ &= 2\frac{5}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 9\frac{3}{8} - 4\frac{5}{6} &= 9\frac{9}{24} - 4\frac{20}{24} \\ &= 8\frac{33}{24} - 4\frac{20}{24} \\ &= 4\frac{13}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 8\frac{2}{9} - 7\frac{11}{12} &= 8\frac{8}{36} - 7\frac{33}{36} \\ &= 7\frac{44}{36} - 7\frac{33}{36} \\ &= \frac{11}{36} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 11\frac{3}{4} - 6\frac{9}{10} &= 11\frac{15}{20} - 6\frac{18}{20} \\ &= 10\frac{35}{20} - 6\frac{18}{20} \\ &= 4\frac{17}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 14\frac{4}{9} - 8\frac{5}{6} &= 14\frac{8}{18} - 8\frac{15}{18} \\ &= 13\frac{26}{18} - 8\frac{15}{18} \\ &= 5\frac{11}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 2\frac{3}{4} - 1\frac{7}{8} &= 2\frac{6}{8} - 1\frac{7}{8} \\ &= 1\frac{14}{8} - 1\frac{7}{8} \\ &= \frac{7}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 13\frac{3}{49} - 9\frac{3}{7} &= 13\frac{3}{49} - 9\frac{21}{49} \\ &= 12\frac{52}{49} - 9\frac{21}{49} \\ &= 3\frac{31}{49} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 4\frac{1}{5} - 3\frac{5}{9} &= 4\frac{9}{45} - 3\frac{25}{45} \\ &= 3\frac{54}{45} - 3\frac{25}{45} \\ &= \frac{29}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad 7\frac{1}{7} - 5\frac{1}{6} &= 7\frac{6}{42} - 5\frac{7}{42} \\ &= 6\frac{48}{42} - 5\frac{7}{42} \\ &= 1\frac{41}{42} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad 6\frac{1}{6} - 1\frac{3}{4} &= 6\frac{2}{12} - 1\frac{9}{12} \\ &= 5\frac{14}{12} - 1\frac{9}{12} \\ &= 4\frac{5}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad 15\frac{4}{9} - 8\frac{14}{15} &= 15\frac{20}{45} - 8\frac{42}{45} \\ &= 14\frac{65}{45} - 8\frac{42}{45} \\ &= 6\frac{23}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 9\frac{7}{30} - 3\frac{3}{5} &= 9\frac{7}{30} - 3\frac{18}{30} \\ &= 8\frac{37}{30} - 3\frac{18}{30} \\ &= 5\frac{19}{30} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 8\frac{4}{27} - 2\frac{2}{9} &= 8\frac{4}{27} - 2\frac{6}{27} \\ &= 7\frac{31}{27} - 2\frac{6}{27} \\ &= 5\frac{25}{27} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 11\frac{2}{3} - 7\frac{8}{11} &= 11\frac{22}{33} - 7\frac{24}{33} \\ &= 10\frac{55}{33} - 7\frac{24}{33} \\ &= 3\frac{31}{33} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 5\frac{5}{9} - 2\frac{3}{4} &= 5\frac{20}{36} - 2\frac{27}{36} \\ &= 4\frac{56}{36} - 2\frac{27}{36} \\ &= 2\frac{29}{36} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad 10\frac{3}{8} - 9\frac{9}{10} &= 10\frac{15}{40} - 9\frac{36}{40} \\ &= 9\frac{55}{40} - 9\frac{36}{40} \\ &= \frac{19}{40} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad 8\frac{7}{10} - 4\frac{11}{12} &= 8\frac{42}{60} - 4\frac{55}{60} \\ &= 7\frac{102}{60} - 4\frac{55}{60} \\ &= 3\frac{47}{60} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} \frac{17}{24} - \frac{3}{8} &= \frac{17}{24} - \frac{9}{24} && \leftarrow \text{通分} \\ &= \frac{8}{24} \\ &= \frac{1}{3} && \leftarrow \text{約分} \end{aligned}$$

<練習>

$$\begin{aligned} \frac{5}{6} - \frac{7}{10} &= \frac{25}{30} - \frac{21}{30} \\ &= \frac{4}{30} \\ &= \frac{2}{15} \end{aligned}$$

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

$$\begin{aligned} \textcircled{2} \quad \frac{4}{5} - \frac{11}{20} &= \frac{16}{20} - \frac{11}{20} \\ &= \frac{5}{20} \\ &= \frac{1}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{5}{6} - \frac{8}{15} &= \frac{25}{30} - \frac{16}{30} \\ &= \frac{9}{30} \\ &= \frac{3}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad \frac{9}{14} - \frac{3}{10} &= \frac{45}{70} - \frac{21}{70} \\ &= \frac{24}{70} \\ &= \frac{12}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{5}{8} - \frac{3}{40} &= \frac{25}{40} - \frac{3}{40} \\ &= \frac{22}{40} \\ &= \frac{11}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{11}{18} - \frac{4}{9} &= \frac{11}{18} - \frac{8}{18} \\ &= \frac{3}{18} \\ &= \frac{1}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{14}{15} - \frac{1}{3} &= \frac{14}{15} - \frac{5}{15} \\ &= \frac{9}{15} \\ &= \frac{3}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{7}{10} - \frac{1}{6} &= \frac{21}{30} - \frac{5}{30} \\ &= \frac{16}{30} \\ &= \frac{8}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad \frac{2}{3} - \frac{4}{15} &= \frac{10}{15} - \frac{4}{15} \\ &= \frac{6}{15} \\ &= \frac{2}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad \frac{6}{7} - \frac{5}{14} &= \frac{12}{14} - \frac{5}{14} \\ &= \frac{7}{14} \\ &= \frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad \frac{4}{15} - \frac{1}{10} &= \frac{8}{30} - \frac{3}{30} \\ &= \frac{5}{30} \\ &= \frac{1}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad \frac{5}{8} - \frac{3}{56} &= \frac{35}{56} - \frac{3}{56} \\ &= \frac{32}{56} \\ &= \frac{4}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad \frac{17}{18} - \frac{1}{2} &= \frac{17}{18} - \frac{9}{18} \\ &= \frac{8}{18} \\ &= \frac{4}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad \frac{3}{4} - \frac{7}{20} &= \frac{15}{20} - \frac{7}{20} \\ &= \frac{8}{20} \\ &= \frac{2}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad \frac{11}{48} - \frac{1}{6} &= \frac{11}{48} - \frac{8}{48} \\ &= \frac{3}{48} \\ &= \frac{1}{16} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad \frac{11}{12} - \frac{1}{4} &= \frac{11}{12} - \frac{3}{12} \\ &= \frac{8}{12} \\ &= \frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad \frac{23}{30} - \frac{3}{5} &= \frac{23}{30} - \frac{18}{30} \\ &= \frac{5}{30} \\ &= \frac{1}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad \frac{13}{15} - \frac{1}{6} &= \frac{26}{30} - \frac{5}{30} \\ &= \frac{21}{30} \\ &= \frac{7}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad \frac{19}{36} - \frac{4}{9} &= \frac{19}{36} - \frac{16}{36} \\ &= \frac{3}{36} \\ &= \frac{1}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad \frac{2}{5} - \frac{9}{35} &= \frac{14}{35} - \frac{9}{35} \\ &= \frac{5}{35} \\ &= \frac{1}{7} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} \quad 2\frac{11}{18} - \frac{1}{9} &= 2\frac{11}{18} - \frac{2}{18} && \leftarrow \text{通分} \\ &= 2\frac{2}{18} = 2\frac{1}{9} && \leftarrow \text{約分} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 4\frac{5}{6} - 1\frac{1}{12} &= 4\frac{10}{12} - 1\frac{1}{12} && \leftarrow \text{通分} \\ &= 3\frac{9}{12} = 3\frac{3}{4} && \leftarrow \text{約分} \end{aligned}$$

《練習》

$$\begin{aligned} \textcircled{1} \quad 5\frac{5}{6} - \frac{3}{10} &= 5\frac{25}{30} - \frac{9}{30} \\ &= 5\frac{16}{30} = 5\frac{8}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 7\frac{9}{14} - 3\frac{1}{2} &= 7\frac{9}{14} - 3\frac{7}{14} \\ &= 4\frac{2}{14} = 4\frac{1}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad 6\frac{9}{10} - \frac{1}{2} &= 6\frac{9}{10} - \frac{5}{10} \\ &= 6\frac{4}{10} \\ &= 6\frac{2}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 1\frac{7}{12} - \frac{13}{30} &= 1\frac{35}{60} - \frac{26}{60} \\ &= 1\frac{9}{60} \\ &= 1\frac{3}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 3\frac{11}{15} - \frac{1}{3} &= 3\frac{11}{15} - \frac{5}{15} \\ &= 3\frac{6}{15} \\ &= 3\frac{2}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 8\frac{29}{35} - \frac{3}{7} &= 8\frac{29}{35} - \frac{15}{35} \\ &= 8\frac{14}{35} \\ &= 8\frac{2}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 9\frac{9}{10} - 2\frac{5}{6} &= 9\frac{27}{30} - 2\frac{25}{30} \\ &= 7\frac{2}{30} \\ &= 7\frac{1}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 7\frac{3}{4} - 5\frac{9}{20} &= 7\frac{15}{20} - 5\frac{9}{20} \\ &= 2\frac{6}{20} \\ &= 2\frac{3}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 4\frac{33}{56} - 4\frac{3}{8} &= 4\frac{33}{56} - 4\frac{21}{56} \\ &= \frac{12}{56} \\ &= \frac{3}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 6\frac{8}{9} - 3\frac{5}{36} &= 6\frac{32}{36} - 3\frac{5}{36} \\ &= 3\frac{27}{36} \\ &= 3\frac{3}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 2\frac{14}{15} - \frac{3}{5} &= 2\frac{14}{15} - \frac{6}{15} \\ &= 2\frac{5}{15} \\ &= 2\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 7\frac{9}{10} - \frac{1}{15} &= 7\frac{27}{30} - \frac{2}{30} \\ &= 7\frac{25}{30} \\ &= 7\frac{5}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 3\frac{2}{9} - \frac{7}{72} &= 3\frac{16}{72} - \frac{7}{72} \\ &= 3\frac{9}{72} \\ &= 3\frac{1}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad 8\frac{3}{4} - 6\frac{1}{12} &= 8\frac{9}{12} - 6\frac{1}{12} \\ &= 2\frac{8}{12} \\ &= 2\frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad 5\frac{2}{5} - 5\frac{7}{30} &= 5\frac{12}{30} - 5\frac{7}{30} \\ &= \frac{5}{30} \\ &= \frac{1}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad 15\frac{5}{6} - 7\frac{19}{48} &= 15\frac{40}{48} - 7\frac{19}{48} \\ &= 8\frac{21}{48} \\ &= 8\frac{7}{16} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 4\frac{5}{6} - \frac{7}{42} &= 4\frac{35}{42} - \frac{7}{42} \\ &= 4\frac{28}{42} \\ &= 4\frac{4}{6} = 4\frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 5\frac{2}{3} - \frac{2}{21} &= 5\frac{14}{21} - \frac{2}{21} \\ &= 5\frac{12}{21} \\ &= 5\frac{4}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 10\frac{9}{14} - \frac{3}{10} &= 10\frac{45}{70} - \frac{21}{70} \\ &= 10\frac{24}{70} \\ &= 10\frac{12}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 9\frac{1}{2} - 1\frac{5}{18} &= 9\frac{9}{18} - 1\frac{5}{18} \\ &= 8\frac{4}{18} \\ &= 8\frac{2}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad 12\frac{19}{24} - 4\frac{3}{8} &= 12\frac{19}{24} - 4\frac{9}{24} \\ &= 8\frac{10}{24} \\ &= 8\frac{5}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad 3\frac{3}{7} - 3\frac{13}{63} &= 3\frac{27}{63} - 3\frac{13}{63} \\ &= \frac{14}{63} \\ &= \frac{2}{9} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} \quad 1\frac{5}{24} - \frac{7}{8} &= 1\frac{5}{24} - \frac{21}{24} && \leftarrow \text{通分} \\ &= \frac{29}{24} - \frac{21}{24} && \leftarrow 1\frac{5}{24} = \frac{29}{24} \\ &= \frac{8}{24} = \frac{1}{3} && \leftarrow \text{約分} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 5\frac{1}{6} - 2\frac{3}{10} &= 5\frac{5}{30} - 2\frac{9}{30} && \leftarrow \text{通分} \\ &= 4\frac{35}{30} - 2\frac{9}{30} && \leftarrow 5\frac{5}{30} = 4\frac{35}{30} \\ &= 2\frac{26}{30} = 2\frac{13}{15} && \leftarrow \text{約分} \end{aligned}$$

<練習>

$$\begin{aligned} \textcircled{1} \quad 4\frac{1}{3} - \frac{8}{15} &= 4\frac{5}{15} - \frac{8}{15} \\ &= 3\frac{20}{15} - \frac{8}{15} \\ &= 3\frac{12}{15} = 3\frac{4}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 7\frac{1}{4} - 6\frac{13}{20} &= 7\frac{5}{20} - 6\frac{13}{20} \\ &= 6\frac{25}{20} - 6\frac{13}{20} \\ &= \frac{12}{20} = \frac{3}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad 3\frac{7}{24} - \frac{2}{3} &= 3\frac{7}{24} - \frac{16}{24} \\ &= 2\frac{31}{24} - \frac{16}{24} \\ &= 2\frac{15}{24} = 2\frac{5}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 10\frac{3}{10} - \frac{1}{2} &= 10\frac{3}{10} - \frac{5}{10} \\ &= 9\frac{13}{10} - \frac{5}{10} \\ &= 9\frac{8}{10} = 9\frac{4}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 7\frac{1}{4} - \frac{11}{20} &= 7\frac{5}{20} - \frac{11}{20} \\ &= 6\frac{25}{20} - \frac{11}{20} \\ &= 6\frac{14}{20} = 6\frac{7}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 1\frac{2}{15} - \frac{5}{6} &= 1\frac{4}{30} - \frac{25}{30} \\ &= \frac{34}{30} - \frac{25}{30} \\ &= \frac{9}{30} = \frac{3}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 2\frac{11}{45} - 1\frac{4}{5} &= 2\frac{11}{45} - 1\frac{36}{45} \\ &= 1\frac{56}{45} - 1\frac{36}{45} \\ &= \frac{20}{45} = \frac{4}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 8\frac{4}{21} - 4\frac{6}{7} &= 8\frac{4}{21} - 4\frac{18}{21} \\ &= 7\frac{25}{21} - 4\frac{18}{21} \\ &= 3\frac{7}{21} = 3\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 11\frac{7}{10} - 5\frac{11}{14} &= 11\frac{49}{70} - 5\frac{55}{70} \\ &= 10\frac{119}{70} - 5\frac{55}{70} \\ &= 5\frac{64}{70} = 5\frac{32}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 6\frac{1}{6} - 2\frac{7}{18} &= 6\frac{3}{18} - 2\frac{7}{18} \\ &= 5\frac{21}{18} - 2\frac{7}{18} \\ &= 3\frac{14}{18} = 3\frac{7}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 4\frac{5}{6} - \frac{9}{10} &= 4\frac{25}{30} - \frac{27}{30} \\ &= 3\frac{55}{30} - \frac{27}{30} \\ &= 3\frac{28}{30} \\ &= 3\frac{14}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 5\frac{5}{24} - \frac{7}{8} &= 5\frac{5}{24} - \frac{21}{24} \\ &= 4\frac{29}{24} - \frac{21}{24} \\ &= 4\frac{8}{24} \\ &= 4\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 9\frac{23}{72} - \frac{5}{8} &= 9\frac{23}{72} - \frac{45}{72} \\ &= 8\frac{95}{72} - \frac{45}{72} \\ &= 8\frac{50}{72} \\ &= 8\frac{25}{36} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 10\frac{1}{2} - \frac{13}{18} &= 10\frac{9}{18} - \frac{13}{18} \\ &= 9\frac{27}{18} - \frac{13}{18} \\ &= 9\frac{14}{18} \\ &= 9\frac{7}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 2\frac{2}{5} - \frac{13}{20} &= 2\frac{8}{20} - \frac{13}{20} \\ &= 1\frac{28}{20} - \frac{13}{20} \\ &= 1\frac{15}{20} \\ &= 1\frac{3}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 6\frac{5}{36} - \frac{8}{9} &= 6\frac{5}{36} - \frac{32}{36} \\ &= 5\frac{41}{36} - \frac{32}{36} \\ &= 5\frac{9}{36} \\ &= 5\frac{1}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad 7\frac{1}{3} - 3\frac{8}{15} &= 7\frac{5}{15} - 3\frac{8}{15} \\ &= 6\frac{20}{15} - 3\frac{8}{15} \\ &= 3\frac{12}{15} \\ &= 3\frac{4}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 8\frac{11}{30} - 2\frac{11}{12} &= 8\frac{22}{60} - 2\frac{55}{60} \\ &= 7\frac{82}{60} - 2\frac{55}{60} \\ &= 5\frac{27}{60} \\ &= 5\frac{9}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad 5\frac{7}{12} - 4\frac{3}{4} &= 5\frac{7}{12} - 4\frac{9}{12} \\ &= 4\frac{19}{12} - 4\frac{9}{12} \\ &= \frac{10}{12} \\ &= \frac{5}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad 12\frac{4}{35} - 6\frac{5}{7} &= 12\frac{4}{35} - 6\frac{25}{35} \\ &= 11\frac{39}{35} - 6\frac{25}{35} \\ &= 5\frac{14}{35} \\ &= 5\frac{2}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad 10\frac{8}{15} - 7\frac{7}{10} &= 10\frac{16}{30} - 7\frac{21}{30} \\ &= 9\frac{46}{30} - 7\frac{21}{30} \\ &= 2\frac{25}{30} \\ &= 2\frac{5}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad 9\frac{17}{42} - 8\frac{5}{6} &= 9\frac{17}{42} - 8\frac{35}{42} \\ &= 8\frac{59}{42} - 8\frac{35}{42} \\ &= \frac{24}{42} \\ &= \frac{4}{7} \end{aligned}$$