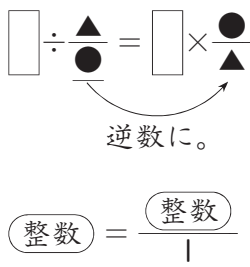


・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} \quad 3 \div \frac{5}{7} &= \frac{3}{1} \div \frac{5}{7} \\ &= \frac{3}{1} \times \frac{7}{5} \\ &= \frac{21}{5} = 4\frac{1}{5} \end{aligned}$$

分数でわるときは
その分数を逆数に
してかけ算をする。



$$\begin{aligned} \textcircled{2} \quad \frac{5}{8} \div \frac{7}{9} &= \frac{5}{8} \times \frac{9}{7} \\ &= \frac{45}{56} \end{aligned}$$

<練習>

$$\begin{aligned} \textcircled{1} \quad 5 \div \frac{3}{4} &= \frac{5}{1} \div \frac{3}{4} \\ &= \frac{5}{1} \times \frac{4}{3} \\ &= \frac{20}{3} = 6\frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{7}{10} \div \frac{8}{9} &= \frac{7}{10} \times \frac{9}{8} \\ &= \frac{63}{80} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad 8 \div \frac{3}{5} &= \frac{8}{1} \div \frac{3}{5} \\ &= \frac{8}{1} \times \frac{5}{3} \\ &= \frac{40}{3} = 13\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 11 \div \frac{7}{6} &= \frac{11}{1} \div \frac{7}{6} \\ &= \frac{11}{1} \times \frac{6}{7} \\ &= \frac{66}{7} = 9\frac{3}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 9 \div \frac{4}{9} &= \frac{9}{1} \div \frac{4}{9} \\ &= \frac{9}{1} \times \frac{9}{4} \\ &= \frac{81}{4} = 20\frac{1}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 1 \div \frac{5}{8} &= \frac{1}{1} \div \frac{5}{8} \\ &= \frac{1}{1} \times \frac{8}{5} \\ &= \frac{8}{5} = 1\frac{3}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{1}{4} \div \frac{6}{13} &= \frac{1}{4} \times \frac{13}{6} \\ &= \frac{13}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{3}{7} \div \frac{2}{15} &= \frac{3}{7} \times \frac{15}{2} \\ &= \frac{45}{14} = 3\frac{3}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{5}{13} \div \frac{9}{8} &= \frac{5}{13} \times \frac{8}{9} \\ &= \frac{40}{117} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{1}{6} \div \frac{10}{7} &= \frac{1}{6} \times \frac{7}{10} \\ &= \frac{7}{60} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 6 \div \frac{5}{9} &= \frac{6}{1} \div \frac{5}{9} \\ &= \frac{6}{1} \times \frac{9}{5} \\ &= \frac{54}{5} = 10\frac{4}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 7 \div \frac{2}{3} &= \frac{7}{1} \div \frac{2}{3} \\ &= \frac{7}{1} \times \frac{3}{2} \\ &= \frac{21}{2} = 10\frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 10 \div \frac{11}{8} &= \frac{10}{1} \div \frac{11}{8} \\ &= \frac{10}{1} \times \frac{8}{11} \\ &= \frac{80}{11} = 7\frac{3}{11} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 2 \div \frac{9}{7} &= \frac{2}{1} \div \frac{9}{7} \\ &= \frac{2}{1} \times \frac{7}{9} \\ &= \frac{14}{9} = 1\frac{5}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 13 \div \frac{6}{5} &= \frac{13}{1} \div \frac{6}{5} \\ &= \frac{13}{1} \times \frac{5}{6} \\ &= \frac{65}{6} = 10\frac{5}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 4 \div \frac{3}{11} &= \frac{4}{1} \div \frac{3}{11} \\ &= \frac{4}{1} \times \frac{11}{3} \\ &= \frac{44}{3} = 14\frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad \frac{5}{8} \div \frac{4}{3} &= \frac{5}{8} \times \frac{3}{4} \\ &= \frac{15}{32} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad \frac{1}{3} \div \frac{3}{7} &= \frac{1}{3} \times \frac{7}{3} \\ &= \frac{7}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad \frac{7}{9} \div \frac{9}{10} &= \frac{7}{9} \times \frac{10}{9} \\ &= \frac{70}{81} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad \frac{6}{11} \div \frac{5}{12} &= \frac{6}{11} \times \frac{12}{5} \\ &= \frac{72}{55} = 1\frac{17}{55} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad \frac{8}{15} \div \frac{1}{4} &= \frac{8}{15} \times \frac{4}{1} \\ &= \frac{32}{15} = 2\frac{2}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad \frac{3}{4} \div \frac{10}{13} &= \frac{3}{4} \times \frac{13}{10} \\ &= \frac{39}{40} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\textcircled{1} 4 \div \frac{2}{9} = \frac{\cancel{4}^2}{1} \times \frac{9}{\cancel{2}_1} \quad \begin{array}{l} \text{かけ算になおして} \\ \text{から、約分できる} \\ \text{ときは約分する。} \end{array}$$

$$= \frac{18}{1} = 18$$

$$\textcircled{2} \frac{7}{12} \div \frac{1}{3} = \frac{7}{\cancel{12}_4} \times \frac{\cancel{3}^1}{1}$$

$$= \frac{7}{4} = 1\frac{3}{4}$$

<練習>

$$\textcircled{1} 12 \div \frac{8}{11} = \frac{\cancel{12}^3}{1} \times \frac{11}{\cancel{8}_2}$$

$$= \frac{33}{2} = 16\frac{1}{2}$$

$$\textcircled{2} \frac{5}{7} \div \frac{9}{14} = \frac{\cancel{5}_1}{7} \times \frac{\cancel{14}^2}{9}$$

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

$$\textcircled{1} 6 \div \frac{4}{7} = \frac{\cancel{6}^3}{1} \times \frac{7}{\cancel{4}_2}$$

$$= \frac{21}{2} = 10\frac{1}{2}$$

$$\textcircled{2} 10 \div \frac{8}{9} = \frac{\cancel{10}^5}{1} \times \frac{9}{\cancel{8}_4}$$

$$= \frac{45}{4} = 11\frac{1}{4}$$

$$\textcircled{3} 15 \div \frac{5}{11} = \frac{\cancel{15}^3}{1} \times \frac{11}{\cancel{5}_1}$$

$$= \frac{33}{1} = 33$$

$$\textcircled{4} 12 \div \frac{3}{8} = \frac{\cancel{12}^4}{1} \times \frac{8}{\cancel{3}_1}$$

$$= \frac{32}{1} = 32$$

$$\textcircled{5} \frac{3}{4} \div \frac{7}{10} = \frac{\cancel{3}_2}{4} \times \frac{\cancel{10}^5}{7}$$

$$= \frac{15}{14} = 1\frac{1}{14}$$

$$\textcircled{6} \frac{14}{9} \div \frac{21}{2} = \frac{\cancel{14}^2}{9} \times \frac{2}{\cancel{21}_3}$$

$$= \frac{4}{27}$$

$$\textcircled{7} \frac{18}{25} \div \frac{6}{13} = \frac{\cancel{18}^3}{25} \times \frac{13}{\cancel{6}_1}$$

$$= \frac{39}{25} = 1\frac{14}{25}$$

$$\textcircled{8} \frac{11}{48} \div \frac{5}{36} = \frac{11}{\cancel{48}_8} \times \frac{\cancel{36}^3}{5}$$

$$= \frac{33}{20} = 1\frac{13}{20}$$

$$\textcircled{9} 2 \div \frac{6}{13} = \frac{\cancel{2}^1}{1} \times \frac{13}{\cancel{6}_3}$$

$$= \frac{13}{3} = 4\frac{1}{3}$$

$$\textcircled{10} 9 \div \frac{15}{14} = \frac{\cancel{9}^3}{1} \times \frac{14}{\cancel{15}_5}$$

$$= \frac{42}{5} = 8\frac{2}{5}$$

$$\textcircled{11} 8 \div \frac{12}{7} = \frac{\cancel{8}^2}{1} \times \frac{7}{\cancel{12}_3}$$

$$= \frac{14}{3} = 4\frac{2}{3}$$

$$\textcircled{12} 14 \div \frac{28}{9} = \frac{\cancel{14}^2}{1} \times \frac{9}{\cancel{28}_4}$$

$$= \frac{9}{2} = 4\frac{1}{2}$$

$$\textcircled{13} 16 \div \frac{24}{11} = \frac{\cancel{16}^2}{1} \times \frac{11}{\cancel{24}_3}$$

$$= \frac{22}{3} = 7\frac{1}{3}$$

$$\textcircled{14} 5 \div \frac{10}{17} = \frac{\cancel{5}^1}{1} \times \frac{17}{\cancel{10}_2}$$

$$= \frac{17}{2} = 8\frac{1}{2}$$

$$\textcircled{15} \frac{3}{14} \div \frac{7}{18} = \frac{\cancel{3}_7}{14} \times \frac{\cancel{18}^9}{7}$$

$$= \frac{27}{49}$$

$$\textcircled{16} \frac{45}{11} \div \frac{25}{8} = \frac{\cancel{45}^9}{11} \times \frac{8}{\cancel{25}_5}$$

$$= \frac{72}{55} = 1\frac{17}{55}$$

$$\textcircled{17} \frac{15}{9} \div \frac{27}{31} = \frac{\cancel{15}^5}{9} \times \frac{31}{\cancel{27}_9}$$

$$= \frac{155}{81} = 1\frac{74}{81}$$

$$\textcircled{18} \frac{9}{20} \div \frac{13}{36} = \frac{\cancel{9}^9}{20} \times \frac{\cancel{36}^9}{13}$$

$$= \frac{81}{65} = 1\frac{16}{65}$$

$$\textcircled{19} \frac{17}{44} \div \frac{12}{55} = \frac{17}{\cancel{44}_4} \times \frac{\cancel{55}^5}{12}$$

$$= \frac{85}{48} = 1\frac{37}{48}$$

$$\textcircled{20} \frac{1}{56} \div \frac{5}{49} = \frac{1}{\cancel{56}_8} \times \frac{\cancel{49}^7}{5}$$

$$= \frac{7}{40}$$

・次の計算をしましょう。

<例>

$$\frac{8}{15} \div \frac{4}{5} = \frac{\overset{2}{\cancel{8}}}{\underset{3}{\cancel{15}}} \times \frac{\overset{1}{\cancel{5}}}{\underset{4}{\cancel{4}}} \quad \leftarrow \text{約分}$$

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

<練習>

$$\frac{5}{12} \div \frac{5}{18} = \frac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{12}}} \times \frac{\overset{3}{\cancel{18}}}{\underset{5}{\cancel{5}}}$$

$$= \frac{3}{2} = 1\frac{1}{2}$$

$$\textcircled{1} \quad \frac{5}{6} \div \frac{25}{14} = \frac{\overset{1}{\cancel{5}}}{\underset{3}{\cancel{6}}} \times \frac{\overset{7}{\cancel{14}}}{\underset{5}{\cancel{25}}}$$

$$= \frac{7}{15}$$

$$\textcircled{2} \quad \frac{9}{16} \div \frac{15}{56} = \frac{\overset{3}{\cancel{9}}}{\underset{2}{\cancel{16}}} \times \frac{\overset{7}{\cancel{56}}}{\underset{5}{\cancel{15}}}$$

$$= \frac{21}{10} = 2\frac{1}{10}$$

$$\textcircled{3} \quad \frac{21}{20} \div \frac{7}{30} = \frac{\overset{3}{\cancel{21}}}{\underset{4}{\cancel{20}}} \times \frac{\overset{7}{\cancel{30}}}{\underset{1}{\cancel{7}}}$$

$$= \frac{9}{2} = 4\frac{1}{2}$$

$$\textcircled{4} \quad \frac{16}{49} \div \frac{20}{63} = \frac{\overset{4}{\cancel{16}}}{\underset{7}{\cancel{49}}} \times \frac{\overset{9}{\cancel{63}}}{\underset{5}{\cancel{20}}}$$

$$= \frac{36}{35} = 1\frac{1}{35}$$

$$\textcircled{5} \quad \frac{36}{35} \div \frac{81}{50} = \frac{\overset{4}{\cancel{36}}}{\underset{7}{\cancel{35}}} \times \frac{\overset{10}{\cancel{50}}}{\underset{9}{\cancel{81}}}$$

$$= \frac{40}{63}$$

$$\textcircled{6} \quad \frac{9}{22} \div \frac{27}{55} = \frac{\overset{1}{\cancel{9}}}{\underset{2}{\cancel{22}}} \times \frac{\overset{5}{\cancel{55}}}{\underset{3}{\cancel{27}}}$$

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

$$\textcircled{7} \quad \frac{35}{12} \div \frac{5}{12} = \frac{\overset{7}{\cancel{35}}}{\underset{1}{\cancel{12}}} \times \frac{\overset{1}{\cancel{12}}}{\underset{5}{\cancel{5}}}$$

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

$$\textcircled{8} \quad \frac{12}{13} \div \frac{30}{91} = \frac{\overset{2}{\cancel{12}}}{\underset{1}{\cancel{13}}} \times \frac{\overset{7}{\cancel{91}}}{\underset{5}{\cancel{30}}}$$

$$= \frac{14}{5} = 2\frac{4}{5}$$

$$\textcircled{9} \quad \frac{15}{28} \div \frac{5}{21} = \frac{\overset{3}{\cancel{15}}}{\underset{4}{\cancel{28}}} \times \frac{\overset{3}{\cancel{21}}}{\underset{5}{\cancel{5}}}$$

$$= \frac{9}{4} = 2\frac{1}{4}$$

$$\textcircled{10} \quad \frac{11}{12} \div \frac{77}{60} = \frac{\overset{1}{\cancel{11}}}{\underset{2}{\cancel{12}}} \times \frac{\overset{10}{\cancel{60}}}{\underset{7}{\cancel{77}}}$$

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

$$\textcircled{11} \quad \frac{16}{3} \div \frac{4}{9} = \frac{\overset{4}{\cancel{16}}}{\underset{1}{\cancel{3}}} \times \frac{\overset{3}{\cancel{9}}}{\underset{4}{\cancel{4}}}$$

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

$$\textcircled{12} \quad \frac{12}{7} \div \frac{3}{56} = \frac{\overset{4}{\cancel{12}}}{\underset{1}{\cancel{7}}} \times \frac{\overset{8}{\cancel{56}}}{\underset{3}{\cancel{3}}}$$

$$= \frac{32}{1} = 32$$

$$\textcircled{13} \quad \frac{2}{27} \div \frac{22}{63} = \frac{\overset{1}{\cancel{2}}}{\underset{3}{\cancel{27}}} \times \frac{\overset{7}{\cancel{63}}}{\underset{11}{\cancel{22}}}$$

$$= \frac{7}{33}$$

$$\textcircled{14} \quad \frac{9}{14} \div \frac{51}{70} = \frac{\overset{3}{\cancel{9}}}{\underset{2}{\cancel{14}}} \times \frac{\overset{10}{\cancel{70}}}{\underset{17}{\cancel{51}}}$$

$$= \frac{15}{17}$$

$$\textcircled{15} \quad \frac{15}{16} \div \frac{39}{80} = \frac{\overset{5}{\cancel{15}}}{\underset{2}{\cancel{16}}} \times \frac{\overset{10}{\cancel{80}}}{\underset{13}{\cancel{39}}}$$

$$= \frac{25}{13} = 1\frac{12}{13}$$

$$\textcircled{16} \quad \frac{3}{10} \div \frac{21}{50} = \frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{10}}} \times \frac{\overset{5}{\cancel{50}}}{\underset{7}{\cancel{21}}}$$

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

$$\textcircled{17} \quad \frac{39}{8} \div \frac{13}{32} = \frac{\overset{3}{\cancel{39}}}{\underset{1}{\cancel{8}}} \times \frac{\overset{4}{\cancel{32}}}{\underset{1}{\cancel{13}}}$$

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

$$\textcircled{18} \quad \frac{11}{5} \div \frac{11}{20} = \frac{\overset{1}{\cancel{11}}}{\underset{5}{\cancel{5}}} \times \frac{\overset{4}{\cancel{20}}}{\underset{1}{\cancel{11}}}$$

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

$$\textcircled{19} \quad \frac{34}{15} \div \frac{17}{90} = \frac{\overset{2}{\cancel{34}}}{\underset{3}{\cancel{15}}} \times \frac{\overset{6}{\cancel{90}}}{\underset{1}{\cancel{17}}}$$

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

$$\textcircled{20} \quad \frac{27}{70} \div \frac{9}{14} = \frac{\overset{3}{\cancel{27}}}{\underset{10}{\cancel{70}}} \times \frac{\overset{2}{\cancel{14}}}{\underset{9}{\cancel{9}}}$$

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

・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} \quad 2\frac{3}{5} \div \frac{2}{3} &= \frac{13}{5} \div \frac{2}{3} && \text{帯分数は仮分数にしてからわり算する。} \\ &= \frac{13}{5} \times \frac{3}{2} \\ &= \frac{39}{10} = 3\frac{9}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 1\frac{1}{8} \div \frac{6}{7} &= \frac{9}{8} \div \frac{6}{7} && \text{かけ算になおしてから約分できるものは約分する。} \\ &= \frac{\cancel{9}^3}{8} \times \frac{7}{\cancel{6}_2} \\ &= \frac{21}{16} = 1\frac{5}{16} \end{aligned}$$

《練習》

$$\begin{aligned} \textcircled{1} \quad 3\frac{1}{4} \div \frac{5}{9} &= \frac{13}{4} \div \frac{5}{9} \\ &= \frac{13}{4} \times \frac{9}{5} \\ &= \frac{117}{20} = 5\frac{17}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 2\frac{4}{5} \div \frac{7}{11} &= \frac{14}{5} \div \frac{7}{11} \\ &= \frac{\cancel{14}^2}{5} \times \frac{11}{\cancel{7}_1} \\ &= \frac{22}{5} = 4\frac{2}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad 5\frac{1}{7} \div \frac{4}{5} &= \frac{36}{7} \div \frac{4}{5} \\ &= \frac{\cancel{36}^9}{7} \times \frac{5}{\cancel{4}_1} \\ &= \frac{45}{7} = 6\frac{3}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 7\frac{1}{2} \div \frac{8}{3} &= \frac{15}{2} \div \frac{8}{3} \\ &= \frac{15}{2} \times \frac{3}{8} \\ &= \frac{45}{16} = 2\frac{13}{16} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 4\frac{2}{5} \div \frac{1}{2} &= \frac{22}{5} \div \frac{1}{2} \\ &= \frac{22}{5} \times \frac{2}{1} \\ &= \frac{44}{5} = 8\frac{4}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 2\frac{5}{6} \div \frac{17}{7} &= \frac{17}{6} \div \frac{17}{7} \\ &= \frac{\cancel{17}^1}{6} \times \frac{7}{\cancel{17}_1} \\ &= \frac{7}{6} = 1\frac{1}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 8\frac{1}{3} \div \frac{8}{9} &= \frac{25}{3} \div \frac{8}{9} \\ &= \frac{25}{3} \times \frac{\cancel{9}^3}{8} \\ &= \frac{75}{8} = 9\frac{3}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 3\frac{3}{4} \div \frac{10}{11} &= \frac{15}{4} \div \frac{10}{11} \\ &= \frac{\cancel{15}^3}{4} \times \frac{11}{\cancel{10}_2} \\ &= \frac{33}{8} = 4\frac{1}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 1\frac{4}{9} \div \frac{7}{30} &= \frac{13}{9} \div \frac{7}{30} \\ &= \frac{13}{\cancel{9}_3} \times \frac{\cancel{30}^{10}}{7} \\ &= \frac{130}{21} = 6\frac{4}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 2\frac{7}{8} \div \frac{1}{3} &= \frac{23}{8} \div \frac{1}{3} \\ &= \frac{23}{8} \times \frac{3}{1} \\ &= \frac{69}{8} = 8\frac{5}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 6\frac{2}{3} \div \frac{15}{4} &= \frac{20}{3} \div \frac{15}{4} \\ &= \frac{\cancel{20}^4}{3} \times \frac{4}{\cancel{15}_3} \\ &= \frac{16}{9} = 1\frac{7}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 3\frac{5}{9} \div \frac{16}{7} &= \frac{32}{9} \div \frac{16}{7} \\ &= \frac{\cancel{32}^2}{9} \times \frac{7}{\cancel{16}_2} \\ &= \frac{14}{9} = 1\frac{5}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 2\frac{3}{5} \div \frac{17}{20} &= \frac{13}{5} \div \frac{17}{20} \\ &= \frac{13}{5} \times \frac{\cancel{20}^4}{17} \\ &= \frac{52}{17} = 3\frac{1}{17} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 7\frac{1}{4} \div \frac{1}{6} &= \frac{29}{4} \div \frac{1}{6} \\ &= \frac{29}{\cancel{4}_2} \times \frac{\cancel{6}^3}{1} \\ &= \frac{87}{2} = 43\frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 4\frac{1}{8} \div \frac{10}{3} &= \frac{33}{8} \div \frac{10}{3} \\ &= \frac{33}{8} \times \frac{3}{10} \\ &= \frac{99}{80} = 1\frac{19}{80} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 1\frac{3}{4} \div \frac{9}{10} &= \frac{7}{4} \div \frac{9}{10} \\ &= \frac{7}{\cancel{4}_2} \times \frac{\cancel{10}^5}{9} \\ &= \frac{35}{18} = 1\frac{17}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad 8\frac{1}{2} \div \frac{34}{11} &= \frac{17}{2} \div \frac{34}{11} \\ &= \frac{\cancel{17}^1}{2} \times \frac{11}{\cancel{34}_2} \\ &= \frac{11}{4} = 2\frac{3}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 5\frac{5}{12} \div \frac{7}{60} &= \frac{65}{12} \div \frac{7}{60} \\ &= \frac{65}{\cancel{12}_2} \times \frac{\cancel{60}^{10}}{7} \\ &= \frac{325}{7} = 46\frac{3}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad 3\frac{2}{7} \div \frac{4}{3} &= \frac{23}{7} \div \frac{4}{3} \\ &= \frac{23}{7} \times \frac{3}{4} \\ &= \frac{69}{28} = 2\frac{13}{28} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad 9\frac{1}{5} \div \frac{3}{5} &= \frac{46}{5} \div \frac{3}{5} \\ &= \frac{46}{\cancel{5}_1} \times \frac{\cancel{5}^1}{3} \\ &= \frac{46}{3} = 15\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad 1\frac{3}{8} \div \frac{5}{9} &= \frac{11}{8} \div \frac{5}{9} \\ &= \frac{11}{8} \times \frac{9}{5} \\ &= \frac{99}{40} = 2\frac{19}{40} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad 2\frac{5}{6} \div \frac{1}{3} &= \frac{17}{6} \div \frac{1}{3} \\ &= \frac{17}{\cancel{6}_2} \times \frac{\cancel{3}^1}{1} \\ &= \frac{17}{2} = 8\frac{1}{2} \end{aligned}$$

・次の計算をしましょう。

<例>

$$4\frac{2}{5} \div \frac{11}{15} = \frac{22}{5} \times \frac{15}{11} \leftarrow \text{帯分数を仮分数にしてからかけ算にする。}$$

$$= \frac{6}{1} = 6 \quad \text{かけ算にしてから約分できるものは約分する。}$$

<練習>

$$3\frac{3}{7} \div \frac{18}{35} = \frac{24}{7} \times \frac{35}{18}$$

$$= \frac{20}{3} = 6\frac{2}{3}$$

$$\textcircled{1} \quad 1\frac{5}{6} \div \frac{22}{9} = \frac{11}{6} \times \frac{9}{22}$$

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

$$\textcircled{2} \quad 6\frac{3}{4} \div \frac{21}{10} = \frac{27}{4} \times \frac{10}{21}$$

$$= \frac{45}{14} = 3\frac{3}{14}$$

$$\textcircled{3} \quad 7\frac{7}{8} \div \frac{21}{32} = \frac{63}{8} \times \frac{32}{21}$$

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

$$\textcircled{4} \quad 2\frac{4}{5} \div \frac{28}{45} = \frac{14}{5} \times \frac{45}{28}$$

$$= \frac{9}{2} = 4\frac{1}{2}$$

$$\textcircled{5} \quad 5\frac{3}{7} \div \frac{20}{21} = \frac{38}{7} \times \frac{21}{20}$$

$$= \frac{57}{10} = 5\frac{7}{10}$$

$$\textcircled{6} \quad 4\frac{9}{10} \div \frac{49}{60} = \frac{49}{10} \times \frac{60}{49}$$

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

$$\textcircled{7} \quad 3\frac{5}{9} \div \frac{28}{33} = \frac{32}{9} \times \frac{33}{28}$$

$$= \frac{88}{21} = 4\frac{4}{21}$$

$$\textcircled{8} \quad 8\frac{1}{6} \div \frac{35}{36} = \frac{49}{6} \times \frac{36}{35}$$

$$= \frac{42}{5} = 8\frac{2}{5}$$

$$\textcircled{9} \quad 2\frac{1}{5} \div \frac{11}{20} = \frac{11}{5} \times \frac{20}{11}$$

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

$$\textcircled{10} \quad 5\frac{4}{7} \div \frac{15}{28} = \frac{39}{7} \times \frac{28}{15}$$

$$= \frac{52}{5} = 10\frac{2}{5}$$

$$\textcircled{11} \quad 1\frac{5}{12} \div \frac{17}{60} = \frac{17}{12} \times \frac{60}{17}$$

$$= \frac{5}{1} = 5$$

$$\textcircled{12} \quad 3\frac{5}{6} \div \frac{46}{27} = \frac{23}{6} \times \frac{27}{46}$$

$$= \frac{9}{4} = 2\frac{1}{4}$$

$$\textcircled{13} \quad 9\frac{7}{9} \div \frac{32}{33} = \frac{88}{9} \times \frac{33}{32}$$

$$= \frac{121}{12} = 10\frac{1}{12}$$

$$\textcircled{14} \quad 1\frac{5}{14} \div \frac{57}{70} = \frac{19}{14} \times \frac{70}{57}$$

$$= \frac{5}{3} = 1\frac{2}{3}$$

$$\textcircled{15} \quad 4\frac{3}{8} \div \frac{49}{36} = \frac{35}{8} \times \frac{36}{49}$$

$$= \frac{45}{14} = 3\frac{3}{14}$$

$$\textcircled{16} \quad 2\frac{3}{16} \div \frac{7}{80} = \frac{35}{16} \times \frac{80}{7}$$

$$= \frac{25}{1} = 25$$

$$\textcircled{17} \quad 1\frac{5}{16} \div \frac{21}{40} = \frac{21}{16} \times \frac{40}{21}$$

$$= \frac{5}{2} = 2\frac{1}{2}$$

$$\textcircled{18} \quad 6\frac{3}{10} \div \frac{42}{25} = \frac{63}{10} \times \frac{25}{42}$$

$$= \frac{15}{4} = 3\frac{3}{4}$$

$$\textcircled{19} \quad 1\frac{5}{18} \div \frac{23}{90} = \frac{23}{18} \times \frac{90}{23}$$

$$= \frac{5}{1} = 5$$

$$\textcircled{20} \quad 7\frac{3}{7} \div \frac{39}{56} = \frac{52}{7} \times \frac{56}{39}$$

$$= \frac{32}{3} = 10\frac{2}{3}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} \quad \frac{9}{11} \div 4 &= \frac{9}{11} \div \frac{4}{1} \leftarrow 4 = \frac{4}{1} \\ &= \frac{9}{11} \times \frac{1}{4} \leftarrow \text{かけ算になおす。} \\ &= \frac{9}{44} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{8}{13} \div 2 &= \frac{8}{13} \div \frac{2}{1} \leftarrow 2 = \frac{2}{1} \\ &= \frac{\cancel{8}^4}{13} \times \frac{1}{\cancel{2}_1} \leftarrow \text{かけ算になおす。} \\ &= \frac{4}{13} \quad \text{約分。} \end{aligned}$$

<練習>

$$\begin{aligned} \textcircled{1} \quad \frac{7}{13} \div 5 &= \frac{7}{13} \div \frac{5}{1} \\ &= \frac{7}{13} \times \frac{1}{5} \\ &= \frac{7}{65} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{9}{11} \div 6 &= \frac{9}{11} \div \frac{6}{1} \\ &= \frac{\cancel{9}^3}{11} \times \frac{1}{\cancel{6}_2} \\ &= \frac{3}{22} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad \frac{6}{7} \div 4 &= \frac{6}{7} \div \frac{4}{1} \\ &= \frac{\cancel{6}^3}{7} \times \frac{1}{\cancel{4}_2} \\ &= \frac{3}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{1}{3} \div 9 &= \frac{1}{3} \div \frac{9}{1} \\ &= \frac{1}{3} \times \frac{1}{9} \\ &= \frac{1}{27} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{5}{8} \div 10 &= \frac{5}{8} \div \frac{10}{1} \\ &= \frac{\cancel{5}^1}{8} \times \frac{1}{\cancel{10}_2} \\ &= \frac{1}{16} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad \frac{4}{5} \div 7 &= \frac{4}{5} \div \frac{7}{1} \\ &= \frac{4}{5} \times \frac{1}{7} \\ &= \frac{4}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{11}{12} \div 3 &= \frac{11}{12} \div \frac{3}{1} \\ &= \frac{11}{12} \times \frac{1}{3} \\ &= \frac{11}{36} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{13}{9} \div 13 &= \frac{13}{9} \div \frac{13}{1} \\ &= \frac{\cancel{13}^1}{9} \times \frac{1}{\cancel{13}_1} \\ &= \frac{1}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{7}{2} \div 5 &= \frac{7}{2} \div \frac{5}{1} \\ &= \frac{7}{2} \times \frac{1}{5} \\ &= \frac{7}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{12}{19} \div 8 &= \frac{12}{19} \div \frac{8}{1} \\ &= \frac{\cancel{12}^3}{19} \times \frac{1}{\cancel{8}_2} \\ &= \frac{3}{38} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad \frac{21}{8} \div 35 &= \frac{21}{8} \div \frac{35}{1} \\ &= \frac{\cancel{21}^3}{8} \times \frac{1}{\cancel{35}_5} \\ &= \frac{3}{40} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad \frac{12}{13} \div 48 &= \frac{12}{13} \div \frac{48}{1} \\ &= \frac{\cancel{12}^2}{13} \times \frac{1}{\cancel{48}_{24}} \\ &= \frac{1}{52} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad \frac{10}{11} \div 45 &= \frac{10}{11} \div \frac{45}{1} \\ &= \frac{\cancel{10}^2}{11} \times \frac{1}{\cancel{45}_9} \\ &= \frac{2}{99} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad \frac{9}{5} \div 81 &= \frac{9}{5} \div \frac{81}{1} \\ &= \frac{\cancel{9}^1}{5} \times \frac{1}{\cancel{81}_9} \\ &= \frac{1}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad \frac{14}{17} \div 70 &= \frac{14}{17} \div \frac{70}{1} \\ &= \frac{\cancel{14}^2}{17} \times \frac{1}{\cancel{70}_{35}} \\ &= \frac{1}{85} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad \frac{38}{7} \div 57 &= \frac{38}{7} \div \frac{57}{1} \\ &= \frac{\cancel{38}^2}{7} \times \frac{1}{\cancel{57}_3} \\ &= \frac{2}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad \frac{7}{4} \div 15 &= \frac{7}{4} \div \frac{15}{1} \\ &= \frac{7}{4} \times \frac{1}{15} \\ &= \frac{7}{60} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad \frac{3}{8} \div 4 &= \frac{3}{8} \div \frac{4}{1} \\ &= \frac{3}{8} \times \frac{1}{4} \\ &= \frac{3}{32} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad \frac{9}{10} \div 5 &= \frac{9}{10} \div \frac{5}{1} \\ &= \frac{9}{10} \times \frac{1}{5} \\ &= \frac{9}{50} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad \frac{36}{19} \div 60 &= \frac{36}{19} \div \frac{60}{1} \\ &= \frac{\cancel{36}^3}{19} \times \frac{1}{\cancel{60}_{20}} \\ &= \frac{3}{95} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad \frac{1}{4} \div 8 &= \frac{1}{4} \div \frac{8}{1} \\ &= \frac{1}{4} \times \frac{1}{8} \\ &= \frac{1}{32} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad \frac{33}{5} \div 44 &= \frac{33}{5} \div \frac{44}{1} \\ &= \frac{\cancel{33}^3}{5} \times \frac{1}{\cancel{44}_4} \\ &= \frac{3}{20} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} \quad 4\frac{3}{7} \div 5 &= \frac{31}{7} \div \frac{5}{1} \quad \leftarrow \begin{array}{l} \text{帯分数} \Rightarrow \text{仮分数} \\ 5 = \frac{5}{1} \end{array} \\ &= \frac{31}{7} \times \frac{1}{5} \quad \leftarrow \text{かけ算になおす。} \\ &= \frac{31}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 5\frac{1}{7} \div 9 &= \frac{36}{7} \div \frac{9}{1} \quad \leftarrow \begin{array}{l} \text{帯分数} \Rightarrow \text{仮分数} \\ 9 = \frac{9}{1} \end{array} \\ &= \frac{36}{7} \times \frac{1}{9} \quad \leftarrow \text{かけ算になおす。} \\ &= \frac{4}{7} \quad \leftarrow \text{約分。} \end{aligned}$$

<練習>

$$\begin{aligned} \textcircled{1} \quad 3\frac{2}{3} \div 6 &= \frac{11}{3} \div \frac{6}{1} \\ &= \frac{11}{3} \times \frac{1}{6} \\ &= \frac{11}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 1\frac{1}{8} \div 3 &= \frac{9}{8} \div \frac{3}{1} \\ &= \frac{9}{8} \times \frac{1}{3} \\ &= \frac{3}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad 3\frac{3}{5} \div 12 &= \frac{18}{5} \div \frac{12}{1} \\ &= \frac{18}{5} \times \frac{1}{12} \\ &= \frac{3}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 2\frac{2}{7} \div 14 &= \frac{16}{7} \div \frac{14}{1} \\ &= \frac{16}{7} \times \frac{1}{14} \\ &= \frac{8}{49} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 1\frac{1}{9} \div 3 &= \frac{10}{9} \div \frac{3}{1} \\ &= \frac{10}{9} \times \frac{1}{3} \\ &= \frac{10}{27} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 5\frac{1}{4} \div 8 &= \frac{21}{4} \div \frac{8}{1} \\ &= \frac{21}{4} \times \frac{1}{8} \\ &= \frac{21}{32} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 6\frac{3}{7} \div 9 &= \frac{45}{7} \div \frac{9}{1} \\ &= \frac{45}{7} \times \frac{1}{9} \\ &= \frac{5}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 4\frac{3}{8} \div 6 &= \frac{35}{8} \div \frac{6}{1} \\ &= \frac{35}{8} \times \frac{1}{6} \\ &= \frac{35}{48} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 7\frac{2}{3} \div 11 &= \frac{23}{3} \div \frac{11}{1} \\ &= \frac{23}{3} \times \frac{1}{11} \\ &= \frac{23}{33} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 1\frac{1}{6} \div 5 &= \frac{7}{6} \div \frac{5}{1} \\ &= \frac{7}{6} \times \frac{1}{5} \\ &= \frac{7}{30} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 5\frac{2}{5} \div 18 &= \frac{27}{5} \div \frac{18}{1} \\ &= \frac{27}{5} \times \frac{1}{18} \\ &= \frac{3}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 3\frac{1}{8} \div 15 &= \frac{25}{8} \div \frac{15}{1} \\ &= \frac{25}{8} \times \frac{1}{15} \\ &= \frac{5}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 1\frac{7}{12} \div 4 &= \frac{19}{12} \div \frac{4}{1} \\ &= \frac{19}{12} \times \frac{1}{4} \\ &= \frac{19}{48} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 6\frac{2}{9} \div 14 &= \frac{56}{9} \div \frac{14}{1} \\ &= \frac{56}{9} \times \frac{1}{14} \\ &= \frac{4}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 4\frac{3}{7} \div 6 &= \frac{31}{7} \div \frac{6}{1} \\ &= \frac{31}{7} \times \frac{1}{6} \\ &= \frac{31}{42} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 2\frac{1}{8} \div 9 &= \frac{17}{8} \div \frac{9}{1} \\ &= \frac{17}{8} \times \frac{1}{9} \\ &= \frac{17}{72} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad 7\frac{1}{3} \div 8 &= \frac{22}{3} \div \frac{8}{1} \\ &= \frac{22}{3} \times \frac{1}{8} \\ &= \frac{11}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 1\frac{5}{9} \div 49 &= \frac{14}{9} \div \frac{49}{1} \\ &= \frac{14}{9} \times \frac{1}{49} \\ &= \frac{2}{63} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad 3\frac{1}{6} \div 7 &= \frac{19}{6} \div \frac{7}{1} \\ &= \frac{19}{6} \times \frac{1}{7} \\ &= \frac{19}{42} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad 8\frac{1}{4} \div 21 &= \frac{33}{4} \div \frac{21}{1} \\ &= \frac{33}{4} \times \frac{1}{21} \\ &= \frac{11}{28} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad 5\frac{3}{7} \div 12 &= \frac{38}{7} \div \frac{12}{1} \\ &= \frac{38}{7} \times \frac{1}{12} \\ &= \frac{19}{42} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad 2\frac{3}{10} \div 5 &= \frac{23}{10} \div \frac{5}{1} \\ &= \frac{23}{10} \times \frac{1}{5} \\ &= \frac{23}{50} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} \quad 9 \div 2\frac{3}{4} &= \frac{9}{1} \div \frac{11}{4} && \leftarrow 9 = \frac{9}{1} \\ &= \frac{9}{1} \times \frac{4}{11} && \leftarrow \text{帯分数} \Rightarrow \text{仮分数} \\ &= \frac{36}{11} = 3\frac{3}{11} && \leftarrow \text{かけ算になおす。} \\ & && \leftarrow \text{帯分数に。} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{8}{9} \div 1\frac{2}{5} &= \frac{8}{9} \div \frac{7}{5} && \leftarrow \text{帯分数} \Rightarrow \text{仮分数} \\ &= \frac{8}{9} \times \frac{5}{7} && \leftarrow \text{かけ算になおす。} \\ &= \frac{40}{63} \end{aligned}$$

<練習>

$$\begin{aligned} \textcircled{1} \quad 5 \div 1\frac{1}{3} &= \frac{5}{1} \div \frac{4}{3} \\ &= \frac{5}{1} \times \frac{3}{4} \\ &= \frac{15}{4} = 3\frac{3}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{1}{3} \div 1\frac{4}{7} &= \frac{1}{3} \div \frac{11}{7} \\ &= \frac{1}{3} \times \frac{7}{11} \\ &= \frac{7}{33} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad 3 \div 4\frac{2}{5} &= \frac{3}{1} \div \frac{22}{5} \\ &= \frac{3}{1} \times \frac{5}{22} \\ &= \frac{15}{22} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 8 \div 3\frac{1}{4} &= \frac{8}{1} \div \frac{13}{4} \\ &= \frac{8}{1} \times \frac{4}{13} \\ &= \frac{32}{13} = 2\frac{6}{13} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 10 \div 6\frac{1}{3} &= \frac{10}{1} \div \frac{19}{3} \\ &= \frac{10}{1} \times \frac{3}{19} \\ &= \frac{30}{19} = 1\frac{11}{19} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 7 \div 1\frac{4}{9} &= \frac{7}{1} \div \frac{13}{9} \\ &= \frac{7}{1} \times \frac{9}{13} \\ &= \frac{63}{13} = 4\frac{11}{13} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{2}{5} \div 1\frac{3}{4} &= \frac{2}{5} \div \frac{7}{4} \\ &= \frac{2}{5} \times \frac{4}{7} \\ &= \frac{8}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{7}{9} \div 2\frac{3}{5} &= \frac{7}{9} \div \frac{13}{5} \\ &= \frac{7}{9} \times \frac{5}{13} \\ &= \frac{35}{117} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{1}{8} \div 5\frac{5}{7} &= \frac{1}{8} \div \frac{40}{7} \\ &= \frac{1}{8} \times \frac{7}{40} \\ &= \frac{7}{320} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{3}{4} \div 2\frac{1}{9} &= \frac{3}{4} \div \frac{19}{9} \\ &= \frac{3}{4} \times \frac{9}{19} \\ &= \frac{27}{76} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 1 \div 7\frac{2}{5} &= \frac{1}{1} \div \frac{37}{5} \\ &= \frac{1}{1} \times \frac{5}{37} \\ &= \frac{5}{37} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 4 \div 6\frac{1}{8} &= \frac{4}{1} \div \frac{49}{8} \\ &= \frac{4}{1} \times \frac{8}{49} \\ &= \frac{32}{49} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 9 \div 3\frac{5}{6} &= \frac{9}{1} \div \frac{23}{6} \\ &= \frac{9}{1} \times \frac{6}{23} \\ &= \frac{54}{23} = 2\frac{8}{23} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 6 \div 4\frac{3}{7} &= \frac{6}{1} \div \frac{31}{7} \\ &= \frac{6}{1} \times \frac{7}{31} \\ &= \frac{42}{31} = 1\frac{11}{31} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 2 \div 1\frac{8}{9} &= \frac{2}{1} \div \frac{17}{9} \\ &= \frac{2}{1} \times \frac{9}{17} \\ &= \frac{18}{17} = 1\frac{1}{17} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 5 \div 2\frac{3}{4} &= \frac{5}{1} \div \frac{11}{4} \\ &= \frac{5}{1} \times \frac{4}{11} \\ &= \frac{20}{11} = 1\frac{9}{11} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad \frac{3}{8} \div 3\frac{1}{5} &= \frac{3}{8} \div \frac{16}{5} \\ &= \frac{3}{8} \times \frac{5}{16} \\ &= \frac{15}{128} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad \frac{4}{11} \div 1\frac{2}{7} &= \frac{4}{11} \div \frac{9}{7} \\ &= \frac{4}{11} \times \frac{7}{9} \\ &= \frac{28}{99} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad \frac{2}{9} \div 2\frac{3}{10} &= \frac{2}{9} \div \frac{23}{10} \\ &= \frac{2}{9} \times \frac{10}{23} \\ &= \frac{20}{207} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad \frac{1}{5} \div 4\frac{1}{2} &= \frac{1}{5} \div \frac{9}{2} \\ &= \frac{1}{5} \times \frac{2}{9} \\ &= \frac{2}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad \frac{5}{6} \div 1\frac{4}{7} &= \frac{5}{6} \div \frac{11}{7} \\ &= \frac{5}{6} \times \frac{7}{11} \\ &= \frac{35}{66} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad \frac{3}{7} \div 3\frac{1}{3} &= \frac{3}{7} \div \frac{10}{3} \\ &= \frac{3}{7} \times \frac{3}{10} \\ &= \frac{9}{70} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} 6 \div 1\frac{5}{7} &= \frac{6}{1} \div \frac{12}{7} \leftarrow 6 = \frac{6}{1} \\ &= \frac{\overset{1}{\cancel{6}}}{1} \times \frac{7}{\underset{2}{\cancel{12}}} \leftarrow \text{帯分数} \Rightarrow \text{仮分数} \\ &\quad \leftarrow \text{かけ算になおして約分。} \\ &= \frac{7}{2} = 3\frac{1}{2} \leftarrow \text{帯分数に。} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \frac{3}{7} \div 1\frac{1}{2} &= \frac{3}{7} \div \frac{3}{2} \leftarrow \text{帯分数} \Rightarrow \text{仮分数} \\ &= \frac{\overset{1}{\cancel{3}}}{7} \times \frac{2}{\underset{1}{\cancel{3}}} \leftarrow \text{かけ算になおして約分。} \\ &= \frac{2}{7} \end{aligned}$$

<練習>

$$\begin{aligned} \textcircled{1} 9 \div 1\frac{7}{8} &= \frac{9}{1} \div \frac{15}{8} \\ &= \frac{\overset{3}{\cancel{9}}}{1} \times \frac{8}{\underset{5}{\cancel{15}}} \\ &= \frac{24}{5} = 4\frac{4}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \frac{5}{6} \div 2\frac{4}{9} &= \frac{5}{6} \div \frac{22}{9} \\ &= \frac{5}{\underset{2}{\cancel{6}}} \times \frac{\overset{3}{\cancel{9}}}{22} \\ &= \frac{15}{44} \end{aligned}$$

$$\begin{aligned} \textcircled{1} 10 \div 2\frac{2}{5} &= \frac{10}{1} \div \frac{12}{5} \\ &= \frac{\overset{5}{\cancel{10}}}{1} \times \frac{5}{\underset{6}{\cancel{12}}} \\ &= \frac{25}{6} = 4\frac{1}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{2} 12 \div 2\frac{4}{7} &= \frac{12}{1} \div \frac{18}{7} \\ &= \frac{\overset{2}{\cancel{12}}}{1} \times \frac{7}{\underset{3}{\cancel{18}}} \\ &= \frac{14}{3} = 4\frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{3} 8 \div 1\frac{1}{3} &= \frac{8}{1} \div \frac{4}{3} \\ &= \frac{\overset{2}{\cancel{8}}}{1} \times \frac{3}{\underset{1}{\cancel{4}}} \\ &= \frac{6}{1} = 6 \end{aligned}$$

$$\begin{aligned} \textcircled{4} 15 \div 5\frac{1}{4} &= \frac{15}{1} \div \frac{21}{4} \\ &= \frac{\overset{5}{\cancel{15}}}{1} \times \frac{4}{\underset{7}{\cancel{21}}} \\ &= \frac{20}{7} = 2\frac{6}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \frac{8}{9} \div 3\frac{5}{6} &= \frac{8}{9} \div \frac{23}{6} \\ &= \frac{\overset{2}{\cancel{8}}}{\underset{3}{\cancel{9}}} \times \frac{\overset{2}{\cancel{6}}}{23} \\ &= \frac{16}{69} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \frac{7}{15} \div 2\frac{5}{8} &= \frac{7}{15} \div \frac{21}{8} \\ &= \frac{\overset{1}{\cancel{7}}}{15} \times \frac{8}{\underset{3}{\cancel{21}}} \\ &= \frac{8}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \frac{1}{2} \div 1\frac{3}{4} &= \frac{1}{2} \div \frac{7}{4} \\ &= \frac{\overset{2}{\cancel{1}}}{\underset{1}{\cancel{2}}} \times \frac{\overset{2}{\cancel{4}}}{7} \\ &= \frac{2}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \frac{3}{4} \div 2\frac{3}{10} &= \frac{3}{4} \div \frac{23}{10} \\ &= \frac{\overset{5}{\cancel{3}}}{\underset{2}{\cancel{4}}} \times \frac{\overset{5}{\cancel{10}}}{23} \\ &= \frac{15}{46} \end{aligned}$$

$$\begin{aligned} \textcircled{9} 4 \div 2\frac{2}{9} &= \frac{4}{1} \div \frac{20}{9} \\ &= \frac{\overset{1}{\cancel{4}}}{1} \times \frac{9}{\underset{5}{\cancel{20}}} \\ &= \frac{9}{5} = 1\frac{4}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{10} 7 \div 5\frac{3}{5} &= \frac{7}{1} \div \frac{28}{5} \\ &= \frac{\overset{1}{\cancel{7}}}{1} \times \frac{5}{\underset{4}{\cancel{28}}} \\ &= \frac{5}{4} = 1\frac{1}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{11} 5 \div 1\frac{7}{8} &= \frac{5}{1} \div \frac{15}{8} \\ &= \frac{\overset{1}{\cancel{5}}}{1} \times \frac{8}{\underset{3}{\cancel{15}}} \\ &= \frac{8}{3} = 2\frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{12} 16 \div 3\frac{3}{7} &= \frac{16}{1} \div \frac{24}{7} \\ &= \frac{\overset{2}{\cancel{16}}}{1} \times \frac{7}{\underset{3}{\cancel{24}}} \\ &= \frac{14}{3} = 4\frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{13} 12 \div 10\frac{1}{2} &= \frac{12}{1} \div \frac{21}{2} \\ &= \frac{\overset{4}{\cancel{12}}}{1} \times \frac{2}{\underset{7}{\cancel{21}}} \\ &= \frac{8}{7} = 1\frac{1}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{14} 24 \div 6\frac{2}{3} &= \frac{24}{1} \div \frac{20}{3} \\ &= \frac{\overset{6}{\cancel{24}}}{1} \times \frac{3}{\underset{5}{\cancel{20}}} \\ &= \frac{18}{5} = 3\frac{3}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \frac{9}{16} \div 1\frac{7}{10} &= \frac{9}{16} \div \frac{17}{10} \\ &= \frac{\overset{5}{\cancel{9}}}{\underset{8}{\cancel{16}}} \times \frac{\overset{5}{\cancel{10}}}{17} \\ &= \frac{45}{136} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \frac{5}{8} \div 11\frac{2}{3} &= \frac{5}{8} \div \frac{35}{3} \\ &= \frac{\overset{1}{\cancel{5}}}{8} \times \frac{3}{\underset{7}{\cancel{35}}} \\ &= \frac{3}{56} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \frac{7}{12} \div 1\frac{3}{28} &= \frac{7}{12} \div \frac{31}{28} \\ &= \frac{\overset{7}{\cancel{7}}}{\underset{3}{\cancel{12}}} \times \frac{\overset{7}{\cancel{28}}}{31} \\ &= \frac{49}{93} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \frac{14}{25} \div 3\frac{1}{2} &= \frac{14}{25} \div \frac{7}{2} \\ &= \frac{\overset{2}{\cancel{14}}}{25} \times \frac{2}{\underset{1}{\cancel{7}}} \\ &= \frac{4}{25} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \frac{11}{6} \div 3\frac{1}{7} &= \frac{11}{6} \div \frac{22}{7} \\ &= \frac{\overset{1}{\cancel{11}}}{\underset{6}{\cancel{6}}} \times \frac{\overset{7}{\cancel{22}}}{7} \\ &= \frac{7}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \frac{1}{3} \div \frac{1}{42} &= \frac{1}{3} \times \frac{\overset{14}{\cancel{42}}}{1} \\ &= \frac{14}{1} = 14 \end{aligned}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} \frac{7}{12} \div 1\frac{5}{9} &= \frac{7}{12} \div \frac{14}{9} \leftarrow \text{帯分数} \Rightarrow \text{仮分数} \\ &= \frac{\overset{1}{\cancel{7}}}{\underset{4}{12}} \times \frac{\overset{3}{\cancel{9}}}{\underset{2}{14}} \leftarrow \text{かけ算になおして} \\ &= \frac{3}{8} \end{aligned}$$

約分。

<練習>

$$\begin{aligned} \frac{5}{18} \div 2\frac{7}{9} &= \frac{5}{18} \div \frac{25}{9} \\ &= \frac{\overset{1}{\cancel{5}}}{\underset{2}{18}} \times \frac{\overset{1}{\cancel{9}}}{\underset{5}{25}} \\ &= \frac{1}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad \frac{8}{15} \div 1\frac{1}{3} &= \frac{8}{15} \div \frac{4}{3} \\ &= \frac{\overset{2}{\cancel{8}}}{\underset{5}{15}} \times \frac{\overset{1}{\cancel{3}}}{\underset{4}{4}} \\ &= \frac{2}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{12}{21} \div 1\frac{7}{9} &= \frac{12}{21} \div \frac{16}{9} \\ &= \frac{\overset{3}{\cancel{12}}}{\underset{7}{21}} \times \frac{\overset{3}{\cancel{9}}}{\underset{4}{16}} \\ &= \frac{9}{28} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{55}{42} \div 1\frac{9}{35} &= \frac{55}{42} \div \frac{44}{35} \\ &= \frac{\overset{5}{\cancel{55}}}{\underset{6}{42}} \times \frac{\overset{5}{\cancel{35}}}{\underset{4}{44}} \\ &= \frac{25}{24} = 1\frac{1}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad \frac{19}{4} \div 7\frac{1}{8} &= \frac{19}{4} \div \frac{57}{8} \\ &= \frac{\overset{1}{\cancel{19}}}{\underset{4}{4}} \times \frac{\overset{2}{\cancel{8}}}{\underset{3}{57}} \\ &= \frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{9}{16} \div 3\frac{3}{10} &= \frac{9}{16} \div \frac{33}{10} \\ &= \frac{\overset{3}{\cancel{9}}}{\underset{8}{16}} \times \frac{\overset{5}{\cancel{10}}}{\underset{11}{33}} \\ &= \frac{15}{88} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{24}{5} \div 1\frac{3}{5} &= \frac{24}{5} \div \frac{8}{5} \\ &= \frac{\overset{3}{\cancel{24}}}{\underset{5}{5}} \times \frac{\overset{1}{\cancel{5}}}{\underset{8}{8}} \\ &= \frac{3}{1} = 3 \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{35}{36} \div 2\frac{5}{8} &= \frac{35}{36} \div \frac{21}{8} \\ &= \frac{\overset{5}{\cancel{35}}}{\underset{9}{36}} \times \frac{\overset{2}{\cancel{8}}}{\underset{3}{21}} \\ &= \frac{10}{27} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{25}{26} \div 1\frac{2}{13} &= \frac{25}{26} \div \frac{15}{13} \\ &= \frac{\overset{5}{\cancel{25}}}{\underset{2}{26}} \times \frac{\overset{1}{\cancel{13}}}{\underset{3}{15}} \\ &= \frac{5}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad \frac{11}{18} \div 1\frac{13}{20} &= \frac{11}{18} \div \frac{33}{20} \\ &= \frac{\overset{1}{\cancel{11}}}{\underset{9}{18}} \times \frac{\overset{10}{\cancel{20}}}{\underset{3}{33}} \\ &= \frac{10}{27} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad \frac{19}{7} \div 1\frac{5}{14} &= \frac{19}{7} \div \frac{19}{14} \\ &= \frac{\overset{1}{\cancel{19}}}{\underset{7}{7}} \times \frac{\overset{2}{\cancel{14}}}{\underset{1}{19}} \\ &= \frac{2}{1} = 2 \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad \frac{18}{25} \div 2\frac{7}{10} &= \frac{18}{25} \div \frac{27}{10} \\ &= \frac{\overset{2}{\cancel{18}}}{\underset{5}{25}} \times \frac{\overset{2}{\cancel{10}}}{\underset{3}{27}} \\ &= \frac{4}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad \frac{13}{12} \div 1\frac{7}{6} &= \frac{13}{12} \div \frac{13}{6} \\ &= \frac{\overset{1}{\cancel{13}}}{\underset{2}{12}} \times \frac{\overset{1}{\cancel{6}}}{\underset{1}{13}} \\ &= \frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad \frac{17}{30} \div 6\frac{3}{8} &= \frac{17}{30} \div \frac{51}{8} \\ &= \frac{\overset{1}{\cancel{17}}}{\underset{15}{30}} \times \frac{\overset{4}{\cancel{8}}}{\underset{3}{51}} \\ &= \frac{4}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad \frac{4}{27} \div 2\frac{4}{15} &= \frac{4}{27} \div \frac{34}{15} \\ &= \frac{\overset{2}{\cancel{4}}}{\underset{9}{27}} \times \frac{\overset{5}{\cancel{15}}}{\underset{17}{34}} \\ &= \frac{10}{153} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad \frac{4}{5} \div 3\frac{3}{5} &= \frac{4}{5} \div \frac{18}{5} \\ &= \frac{\overset{2}{\cancel{4}}}{\underset{5}{5}} \times \frac{\overset{1}{\cancel{5}}}{\underset{9}{18}} \\ &= \frac{2}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad \frac{19}{24} \div 4\frac{2}{9} &= \frac{19}{24} \div \frac{38}{9} \\ &= \frac{\overset{1}{\cancel{19}}}{\underset{8}{24}} \times \frac{\overset{3}{\cancel{9}}}{\underset{2}{38}} \\ &= \frac{3}{16} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad \frac{25}{9} \div 1\frac{23}{27} &= \frac{25}{9} \div \frac{50}{27} \\ &= \frac{\overset{5}{\cancel{25}}}{\underset{9}{9}} \times \frac{\overset{3}{\cancel{27}}}{\underset{2}{50}} \\ &= \frac{3}{2} = 1\frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad \frac{90}{7} \div 1\frac{17}{28} &= \frac{90}{7} \div \frac{45}{28} \\ &= \frac{\overset{2}{\cancel{90}}}{\underset{7}{7}} \times \frac{\overset{4}{\cancel{28}}}{\underset{5}{45}} \\ &= \frac{8}{1} = 8 \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad \frac{3}{4} \div 2\frac{1}{10} &= \frac{3}{4} \div \frac{21}{10} \\ &= \frac{\overset{1}{\cancel{3}}}{\underset{2}{4}} \times \frac{\overset{5}{\cancel{10}}}{\underset{7}{21}} \\ &= \frac{5}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad \frac{5}{8} \div 5\frac{5}{6} &= \frac{5}{8} \div \frac{35}{6} \\ &= \frac{\overset{1}{\cancel{5}}}{\underset{4}{8}} \times \frac{\overset{3}{\cancel{6}}}{\underset{7}{35}} \\ &= \frac{3}{28} \end{aligned}$$

・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} \quad 2\frac{1}{7} \div 1\frac{1}{3} &= \frac{15}{7} \div \frac{4}{3} && \leftarrow \text{帯分数} \Rightarrow \text{仮分数} \\ &= \frac{15}{7} \times \frac{3}{4} && \leftarrow \text{かけ算になおす。} \\ &= \frac{45}{28} = 1\frac{17}{28} && \leftarrow \text{帯分数に。} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 3\frac{3}{8} \div 4\frac{4}{5} &= \frac{27}{8} \div \frac{24}{5} && \leftarrow \text{帯分数} \Rightarrow \text{仮分数} \\ &= \frac{27}{8} \times \frac{5}{24} && \leftarrow \text{かけ算になおして} \\ &= \frac{45}{64} && \text{約分。} \end{aligned}$$

<練習>

$$\begin{aligned} \textcircled{1} \quad 1\frac{1}{4} \div 2\frac{3}{5} &= \frac{5}{4} \div \frac{13}{5} \\ &= \frac{5}{4} \times \frac{5}{13} \\ &= \frac{25}{52} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 2\frac{5}{6} \div 1\frac{3}{8} &= \frac{17}{6} \div \frac{11}{8} \\ &= \frac{17}{6} \times \frac{8}{11} \\ &= \frac{68}{33} = 2\frac{2}{33} \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad 4\frac{2}{7} \div 1\frac{1}{8} &= \frac{30}{7} \div \frac{9}{8} \\ &= \frac{30}{7} \times \frac{8}{9} \\ &= \frac{80}{21} = 3\frac{17}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 3\frac{3}{5} \div 2\frac{1}{5} &= \frac{18}{5} \div \frac{11}{5} \\ &= \frac{18}{5} \times \frac{5}{11} \\ &= \frac{18}{11} = 1\frac{7}{11} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 2\frac{4}{9} \div 3\frac{5}{6} &= \frac{22}{9} \div \frac{23}{6} \\ &= \frac{22}{9} \times \frac{6}{23} \\ &= \frac{44}{69} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 3\frac{1}{2} \div 1\frac{2}{7} &= \frac{7}{2} \div \frac{9}{7} \\ &= \frac{7}{2} \times \frac{7}{9} \\ &= \frac{49}{18} = 2\frac{13}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 1\frac{5}{6} \div 2\frac{1}{15} &= \frac{11}{6} \div \frac{31}{15} \\ &= \frac{11}{6} \times \frac{15}{31} \\ &= \frac{55}{62} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 2\frac{5}{8} \div 2\frac{4}{5} &= \frac{21}{8} \div \frac{14}{5} \\ &= \frac{21}{8} \times \frac{5}{14} \\ &= \frac{15}{16} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 4\frac{2}{3} \div 1\frac{5}{12} &= \frac{14}{3} \div \frac{17}{12} \\ &= \frac{14}{3} \times \frac{12}{17} \\ &= \frac{56}{17} = 3\frac{5}{17} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 1\frac{1}{4} \div 2\frac{4}{7} &= \frac{5}{4} \div \frac{18}{7} \\ &= \frac{5}{4} \times \frac{7}{18} \\ &= \frac{35}{72} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 3\frac{1}{5} \div 2\frac{2}{7} &= \frac{16}{5} \div \frac{16}{7} \\ &= \frac{16}{5} \times \frac{7}{16} \\ &= \frac{7}{5} = 1\frac{2}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 1\frac{5}{6} \div 4\frac{1}{3} &= \frac{11}{6} \div \frac{13}{3} \\ &= \frac{11}{6} \times \frac{3}{13} \\ &= \frac{11}{26} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 5\frac{1}{2} \div 1\frac{2}{3} &= \frac{11}{2} \div \frac{5}{3} \\ &= \frac{11}{2} \times \frac{3}{5} \\ &= \frac{33}{10} = 3\frac{3}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 6\frac{1}{8} \div 8\frac{2}{5} &= \frac{49}{8} \div \frac{42}{5} \\ &= \frac{49}{8} \times \frac{5}{42} \\ &= \frac{35}{48} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 2\frac{4}{9} \div 1\frac{4}{7} &= \frac{22}{9} \div \frac{11}{7} \\ &= \frac{22}{9} \times \frac{7}{11} \\ &= \frac{14}{9} = 1\frac{5}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 3\frac{3}{4} \div 1\frac{3}{5} &= \frac{15}{4} \div \frac{8}{5} \\ &= \frac{15}{4} \times \frac{5}{8} \\ &= \frac{75}{32} = 2\frac{11}{32} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad 7\frac{2}{3} \div 5\frac{3}{4} &= \frac{23}{3} \div \frac{23}{4} \\ &= \frac{23}{3} \times \frac{4}{23} \\ &= \frac{4}{3} = 1\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 1\frac{1}{9} \div 2\frac{3}{8} &= \frac{10}{9} \div \frac{19}{8} \\ &= \frac{10}{9} \times \frac{8}{19} \\ &= \frac{80}{171} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad 4\frac{4}{5} \div 2\frac{9}{10} &= \frac{24}{5} \div \frac{29}{10} \\ &= \frac{24}{5} \times \frac{10}{29} \\ &= \frac{48}{29} = 1\frac{19}{29} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad 3\frac{5}{7} \div 2\frac{3}{4} &= \frac{26}{7} \div \frac{11}{4} \\ &= \frac{26}{7} \times \frac{4}{11} \\ &= \frac{104}{77} = 1\frac{27}{77} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad 1\frac{1}{8} \div 1\frac{3}{16} &= \frac{9}{8} \div \frac{19}{16} \\ &= \frac{9}{8} \times \frac{16}{19} \\ &= \frac{18}{19} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad 5\frac{1}{9} \div 4\frac{3}{5} &= \frac{46}{9} \div \frac{23}{5} \\ &= \frac{46}{9} \times \frac{5}{23} \\ &= \frac{10}{9} = 1\frac{1}{9} \end{aligned}$$

・次の計算をしましょう。

<例>

$$2\frac{1}{4} \div 2\frac{5}{8} = \frac{9}{4} \div \frac{21}{8} \leftarrow \text{帯分数} \Rightarrow \text{仮分数}$$

$$= \frac{9}{4} \times \frac{8}{21} \leftarrow \text{かけ算になおして約分。}$$

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

<練習>

$$3\frac{3}{7} \div 1\frac{13}{14} = \frac{24}{7} \div \frac{27}{14}$$

$$= \frac{24}{7} \times \frac{14}{27}$$

$$= \frac{16}{9} = 1\frac{7}{9}$$

$$\textcircled{1} \quad 2\frac{4}{9} \div 4\frac{7}{12} = \frac{22}{9} \div \frac{55}{12}$$

$$= \frac{22}{9} \times \frac{12}{55}$$

$$= \frac{8}{15}$$

$$\textcircled{2} \quad 1\frac{5}{18} \div 1\frac{8}{15} = \frac{23}{18} \div \frac{23}{15}$$

$$= \frac{23}{18} \times \frac{15}{23}$$

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

$$\textcircled{3} \quad 10\frac{1}{2} \div 4\frac{9}{10} = \frac{21}{2} \div \frac{49}{10}$$

$$= \frac{21}{2} \times \frac{10}{49}$$

$$= \frac{15}{7} = 2\frac{1}{7}$$

$$\textcircled{4} \quad 3\frac{1}{6} \div 7\frac{1}{8} = \frac{19}{6} \div \frac{57}{8}$$

$$= \frac{19}{6} \times \frac{8}{57}$$

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

$$\textcircled{5} \quad 2\frac{11}{20} \div 1\frac{3}{14} = \frac{51}{20} \div \frac{17}{14}$$

$$= \frac{51}{20} \times \frac{14}{17}$$

$$= \frac{21}{10} = 2\frac{1}{10}$$

$$\textcircled{6} \quad 5\frac{3}{7} \div 2\frac{5}{7} = \frac{38}{7} \div \frac{19}{7}$$

$$= \frac{38}{7} \times \frac{7}{19}$$

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

$$\textcircled{7} \quad 6\frac{4}{5} \div 1\frac{2}{15} = \frac{34}{5} \div \frac{17}{15}$$

$$= \frac{34}{5} \times \frac{15}{17}$$

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

$$\textcircled{8} \quad 3\frac{1}{8} \div 1\frac{11}{14} = \frac{25}{8} \div \frac{25}{14}$$

$$= \frac{25}{8} \times \frac{14}{25}$$

$$= \frac{7}{4} = 1\frac{3}{4}$$

$$\textcircled{9} \quad 4\frac{2}{3} \div 5\frac{5}{6} = \frac{14}{3} \div \frac{35}{6}$$

$$= \frac{14}{3} \times \frac{6}{35}$$

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

$$\textcircled{10} \quad 2\frac{7}{16} \div 1\frac{5}{8} = \frac{39}{16} \div \frac{13}{8}$$

$$= \frac{39}{16} \times \frac{8}{13}$$

$$= \frac{3}{2} = 1\frac{1}{2}$$

$$\textcircled{11} \quad 3\frac{7}{9} \div 5\frac{2}{3} = \frac{34}{9} \div \frac{17}{3}$$

$$= \frac{34}{9} \times \frac{3}{17}$$

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

$$\textcircled{12} \quad 1\frac{11}{12} \div 5\frac{1}{9} = \frac{23}{12} \div \frac{46}{9}$$

$$= \frac{23}{12} \times \frac{9}{46}$$

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

$$\textcircled{13} \quad 6\frac{1}{4} \div 1\frac{1}{4} = \frac{25}{4} \div \frac{5}{4}$$

$$= \frac{25}{4} \times \frac{4}{5}$$

$$= \frac{5}{1} = 5$$

$$\textcircled{14} \quad 5\frac{3}{5} \div 1\frac{1}{20} = \frac{28}{5} \div \frac{21}{20}$$

$$= \frac{28}{5} \times \frac{20}{21}$$

$$= \frac{16}{3} = 5\frac{1}{3}$$

$$\textcircled{15} \quad 4\frac{2}{7} \div 2\frac{8}{21} = \frac{30}{7} \div \frac{50}{21}$$

$$= \frac{30}{7} \times \frac{21}{50}$$

$$= \frac{9}{5} = 1\frac{4}{5}$$

$$\textcircled{16} \quad 3\frac{3}{8} \div 4\frac{1}{2} = \frac{27}{8} \div \frac{9}{2}$$

$$= \frac{27}{8} \times \frac{2}{9}$$

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

$$\textcircled{17} \quad 1\frac{7}{11} \div 1\frac{7}{33} = \frac{18}{11} \div \frac{40}{33}$$

$$= \frac{18}{11} \times \frac{33}{40}$$

$$= \frac{27}{20} = 1\frac{7}{20}$$

$$\textcircled{18} \quad 2\frac{7}{9} \div 9\frac{1}{6} = \frac{25}{9} \div \frac{55}{6}$$

$$= \frac{25}{9} \times \frac{6}{55}$$

$$= \frac{10}{33}$$

$$\textcircled{19} \quad 3\frac{1}{5} \div 1\frac{7}{25} = \frac{16}{5} \div \frac{32}{25}$$

$$= \frac{16}{5} \times \frac{25}{32}$$

$$= \frac{5}{2} = 2\frac{1}{2}$$

$$\textcircled{20} \quad 7\frac{1}{2} \div 5\frac{5}{6} = \frac{15}{2} \div \frac{35}{6}$$

$$= \frac{15}{2} \times \frac{6}{35}$$

$$= \frac{9}{7} = 1\frac{2}{7}$$