

・次の計算をしましょう。

<例>

$$\textcircled{1} \quad 3 \times \frac{3}{14} = \frac{3}{1} \times \frac{3}{14}$$

分数のかけ算は
分母は分母どうし
分子は分子どうし

$$= \frac{9}{14}$$

$$\textcircled{2} \quad \frac{4}{5} \times \frac{2}{7} = \frac{8}{35}$$

かけ算する。

$$\text{整数} = \frac{\text{整数}}{1}$$

《練習》

$$\textcircled{1} \quad \frac{2}{9} \times 5$$

$$\textcircled{2} \quad \frac{7}{12} \times \frac{1}{3}$$

$$\textcircled{1} \quad 8 \times \frac{3}{5}$$

$$\textcircled{2} \quad \frac{4}{11} \times 2$$

$$\textcircled{3} \quad \frac{8}{9} \times 7$$

$$\textcircled{4} \quad \frac{5}{13} \times 1$$

$$\textcircled{5} \quad \frac{5}{2} \times \frac{3}{8}$$

$$\textcircled{6} \quad \frac{7}{10} \times \frac{1}{3}$$

$$\textcircled{7} \quad \frac{7}{4} \times \frac{11}{9}$$

$$\textcircled{8} \quad \frac{13}{5} \times \frac{13}{12}$$

$$\textcircled{9} \quad 12 \times \frac{4}{7}$$

$$\textcircled{10} \quad 10 \times \frac{2}{9}$$

$$\textcircled{11} \quad \frac{6}{13} \times 9$$

$$\textcircled{12} \quad \frac{7}{15} \times 4$$

$$\textcircled{13} \quad \frac{2}{17} \times 6$$

$$\textcircled{14} \quad 15 \times \frac{5}{8}$$

$$\textcircled{15} \quad \frac{1}{2} \times \frac{7}{9}$$

$$\textcircled{16} \quad \frac{11}{8} \times \frac{5}{3}$$

$$\textcircled{17} \quad \frac{3}{5} \times \frac{9}{7}$$

$$\textcircled{18} \quad \frac{7}{11} \times \frac{13}{6}$$

$$\textcircled{19} \quad \frac{1}{4} \times \frac{1}{4}$$

$$\textcircled{20} \quad \frac{17}{10} \times \frac{11}{12}$$

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<例>

$$\textcircled{1} \quad 4 \times \frac{3}{8} = \frac{\overset{1}{\cancel{4}}}{1} \times \frac{3}{\underset{2}{\cancel{8}}} = \frac{3}{2} = 1\frac{1}{2}$$

計算の途中で
約分できる。

$$\textcircled{2} \quad \frac{\overset{1}{\cancel{7}}}{18} \times \frac{5}{\underset{2}{\cancel{14}}} = \frac{5}{36}$$

《練習》

$$\textcircled{1} \quad \frac{2}{5} \times 15$$

$$\textcircled{2} \quad \frac{8}{9} \times \frac{3}{5}$$

$$\textcircled{1} \quad 2 \times \frac{9}{14}$$

$$\textcircled{2} \quad \frac{11}{28} \times 7$$

$$\textcircled{3} \quad 18 \times \frac{2}{3}$$

$$\textcircled{4} \quad \frac{3}{4} \times 16$$

$$\textcircled{5} \quad \frac{7}{12} \times \frac{3}{5}$$

$$\textcircled{6} \quad \frac{4}{9} \times \frac{13}{20}$$

$$\textcircled{7} \quad \frac{6}{7} \times \frac{11}{14}$$

$$\textcircled{8} \quad \frac{18}{19} \times \frac{5}{24}$$

$$\textcircled{9} \quad 8 \times \frac{1}{6}$$

$$\textcircled{10} \quad \frac{5}{21} \times 36$$

$$\textcircled{11} \quad \frac{7}{18} \times 30$$

$$\textcircled{12} \quad 9 \times \frac{19}{72}$$

$$\textcircled{13} \quad 12 \times \frac{3}{4}$$

$$\textcircled{14} \quad 28 \times \frac{11}{14}$$

$$\textcircled{15} \quad \frac{7}{15} \times \frac{9}{13}$$

$$\textcircled{16} \quad \frac{18}{10} \times \frac{1}{24}$$

$$\textcircled{17} \quad \frac{31}{50} \times \frac{10}{21}$$

$$\textcircled{18} \quad \frac{8}{33} \times \frac{22}{17}$$

$$\textcircled{19} \quad \frac{21}{4} \times \frac{25}{49}$$

$$\textcircled{20} \quad \frac{56}{19} \times \frac{3}{64}$$

・次の計算をしましょう。

<例>

$$\frac{\overset{1}{\cancel{8}}}{\underset{3}{\cancel{9}}} \times \frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{16}}} = \frac{1}{6}$$

<<練習>>

$$\frac{5}{12} \times \frac{18}{25}$$

① $\frac{2}{9} \times \frac{3}{8}$

② $\frac{5}{16} \times \frac{4}{35}$

③ $\frac{14}{45} \times \frac{18}{49}$

④ $\frac{4}{81} \times \frac{27}{10}$

⑤ $\frac{15}{2} \times \frac{16}{3}$

⑥ $\frac{18}{5} \times \frac{25}{6}$

⑦ $\frac{3}{4} \times \frac{22}{15}$

⑧ $\frac{10}{27} \times \frac{63}{40}$

⑨ $\frac{7}{18} \times \frac{2}{21}$

⑩ $\frac{10}{45} \times \frac{18}{35}$

⑪ $\frac{5}{42} \times \frac{12}{55}$

⑫ $\frac{6}{13} \times \frac{13}{27}$

⑬ $\frac{12}{17} \times \frac{17}{32}$

⑭ $\frac{81}{56} \times \frac{49}{18}$

⑮ $\frac{77}{90} \times \frac{10}{33}$

⑯ $\frac{33}{64} \times \frac{40}{39}$

⑰ $\frac{13}{72} \times \frac{27}{52}$

⑱ $\frac{5}{36} \times \frac{3}{25}$

⑲ $\frac{11}{42} \times \frac{8}{11}$

⑳ $\frac{15}{7} \times \frac{63}{40}$

・次の計算をしましょう。

<例>

$$\textcircled{1} \quad 5 \times 1\frac{1}{3} = \frac{5}{1} \times \frac{4}{3} \\ = \frac{20}{3} = 6\frac{2}{3}$$

帯分数は仮分数になおしてから、かけ算する。

$$\textcircled{2} \quad 2\frac{3}{4} \times 2 = \frac{11}{4} \times \frac{2}{1} \\ = \frac{11}{2} = 5\frac{1}{2}$$

約分できるものは計算の途中で約分する。

《練習》

$$\textcircled{1} \quad 4\frac{2}{7} \times 21$$

$$\textcircled{2} \quad 3\frac{1}{3} \times 7$$

$$\textcircled{1} \quad 6 \times 2\frac{2}{3}$$

$$\textcircled{2} \quad 3\frac{7}{10} \times 8$$

$$\textcircled{3} \quad 5\frac{1}{4} \times 9$$

$$\textcircled{4} \quad 4 \times 1\frac{2}{5}$$

$$\textcircled{5} \quad 7\frac{5}{6} \times 12$$

$$\textcircled{6} \quad 24 \times 3\frac{1}{2}$$

$$\textcircled{7} \quad 15 \times 4\frac{7}{9}$$

$$\textcircled{8} \quad 6\frac{3}{8} \times 2$$

$$\textcircled{9} \quad 2\frac{5}{6} \times 18$$

$$\textcircled{10} \quad 4 \times 3\frac{2}{7}$$

$$\textcircled{11} \quad 7 \times 5\frac{4}{21}$$

$$\textcircled{12} \quad 1\frac{7}{12} \times 12$$

$$\textcircled{13} \quad 8 \times 3\frac{1}{9}$$

$$\textcircled{14} \quad 2\frac{3}{5} \times 15$$

$$\textcircled{15} \quad 4\frac{5}{8} \times 1$$

$$\textcircled{16} \quad 3 \times 5\frac{2}{9}$$

$$\textcircled{17} \quad 6 \times 7\frac{4}{5}$$

$$\textcircled{18} \quad 10 \times 1\frac{7}{45}$$

$$\textcircled{19} \quad 3\frac{1}{3} \times 9$$

$$\textcircled{20} \quad 6\frac{2}{7} \times 4$$

・次の計算をしましょう。

<例>

$$\textcircled{1} \quad \frac{2}{9} \times 1\frac{2}{5} = \frac{2}{9} \times \frac{7}{5} \\ = \frac{14}{45}$$

帯分数は仮分数になおしてから、かけ算する。

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

約分できるものは計算の途中で約分する。

《練習》

$$\textcircled{1} \quad 2\frac{3}{5} \times \frac{1}{2}$$

$$\textcircled{2} \quad 3\frac{4}{7} \times \frac{3}{5}$$

$$\textcircled{1} \quad 4\frac{1}{2} \times \frac{5}{6}$$

$$\textcircled{2} \quad \frac{7}{8} \times 1\frac{3}{14}$$

$$\textcircled{3} \quad \frac{9}{10} \times 2\frac{1}{3}$$

$$\textcircled{4} \quad 2\frac{4}{15} \times \frac{8}{17}$$

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

$$\textcircled{6} \quad \frac{3}{5} \times 1\frac{3}{7}$$

$$\textcircled{7} \quad 2\frac{5}{12} \times \frac{8}{9}$$

$$\textcircled{8} \quad \frac{2}{9} \times 3\frac{4}{9}$$

$$\textcircled{9} \quad \frac{3}{8} \times 2\frac{3}{7}$$

$$\textcircled{10} \quad 4\frac{1}{4} \times \frac{10}{13}$$

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

$$\textcircled{12} \quad 2\frac{4}{11} \times \frac{2}{3}$$

$$\textcircled{13} \quad 3\frac{1}{8} \times \frac{7}{20}$$

$$\textcircled{14} \quad \frac{8}{15} \times 1\frac{5}{7}$$

$$\textcircled{15} \quad \frac{4}{9} \times 4\frac{2}{5}$$

$$\textcircled{16} \quad 1\frac{3}{13} \times \frac{3}{8}$$

$$\textcircled{17} \quad 5\frac{1}{2} \times \frac{9}{44}$$

$$\textcircled{18} \quad \frac{6}{7} \times 2\frac{2}{5}$$

$$\textcircled{19} \quad 1\frac{5}{8} \times \frac{5}{39}$$

$$\textcircled{20} \quad \frac{7}{12} \times 3\frac{1}{5}$$

・次の計算をしましょう。

<例>

$$\frac{2}{5} \times 3\frac{3}{4} = \frac{\overset{1}{\cancel{2}}}{5} \times \frac{\overset{3}{\cancel{15}}}{\underset{2}{\cancel{4}}} \leftarrow \begin{array}{l} \text{帯分数} \Rightarrow \text{仮分数} \\ \text{約分} \end{array}$$

$$= \frac{3}{2} = 1\frac{1}{2} \leftarrow \text{帯分数に}$$

<練習>

$$1\frac{5}{8} \times \frac{6}{13}$$

① $2\frac{1}{2} \times \frac{8}{15}$

② $\frac{9}{16} \times 1\frac{7}{15}$

③ $\frac{12}{25} \times 3\frac{1}{3}$

④ $3\frac{3}{5} \times \frac{35}{36}$

⑤ $\frac{4}{29} \times 4\frac{5}{6}$

⑥ $1\frac{3}{4} \times \frac{8}{21}$

⑦ $5\frac{1}{4} \times \frac{16}{27}$

⑧ $\frac{33}{64} \times 6\frac{2}{9}$

⑨ $4\frac{3}{8} \times \frac{36}{49}$

⑩ $\frac{50}{81} \times 1\frac{11}{16}$

⑪ $\frac{7}{12} \times 2\frac{2}{35}$

⑫ $2\frac{4}{33} \times \frac{44}{63}$

⑬ $3\frac{1}{5} \times \frac{15}{22}$

⑭ $5\frac{3}{7} \times \frac{14}{19}$

⑮ $\frac{8}{9} \times 11\frac{1}{4}$

⑯ $\frac{28}{45} \times 7\frac{1}{2}$

⑰ $4\frac{9}{10} \times \frac{25}{56}$

⑱ $3\frac{6}{7} \times \frac{35}{72}$

⑲ $2\frac{2}{7} \times \frac{7}{8}$

⑳ $\frac{16}{17} \times 6\frac{3}{8}$

・次の計算をしましょう。

<例>

$$\begin{aligned} \textcircled{1} \quad 1\frac{2}{5} \times 1\frac{1}{6} &= \frac{7}{5} \times \frac{7}{6} \quad \leftarrow \text{帯分数} \Rightarrow \text{仮分数} \\ &= \frac{49}{30} = 1\frac{19}{30} \quad \leftarrow \text{帯分数に} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 2\frac{1}{4} \times 1\frac{2}{9} &= \frac{\cancel{9}^1}{4} \times \frac{11}{\cancel{9}_1} \quad \leftarrow \text{約分} \\ &= \frac{11}{4} = 2\frac{3}{4} \quad \leftarrow \text{帯分数に} \end{aligned}$$

《練習》

$$\textcircled{1} \quad 3\frac{4}{7} \times 1\frac{1}{9}$$

$$\textcircled{2} \quad 2\frac{2}{5} \times 1\frac{5}{6}$$

$$\textcircled{1} \quad 2\frac{2}{7} \times 1\frac{1}{4}$$

$$\textcircled{2} \quad 3\frac{3}{5} \times 2\frac{1}{7}$$

$$\textcircled{3} \quad 1\frac{1}{2} \times 2\frac{3}{8}$$

$$\textcircled{4} \quad 4\frac{1}{3} \times 1\frac{4}{13}$$

$$\textcircled{5} \quad 5\frac{5}{6} \times 1\frac{4}{7}$$

$$\textcircled{6} \quad 1\frac{2}{9} \times 2\frac{1}{5}$$

$$\textcircled{7} \quad 6\frac{2}{3} \times 2\frac{7}{15}$$

$$\textcircled{8} \quad 3\frac{1}{3} \times 1\frac{9}{20}$$

$$\textcircled{9} \quad 2\frac{3}{8} \times 1\frac{6}{7}$$

$$\textcircled{10} \quad 3\frac{3}{4} \times 2\frac{5}{18}$$

$$\textcircled{11} \quad 1\frac{1}{9} \times 2\frac{4}{7}$$

$$\textcircled{12} \quad 3\frac{2}{5} \times 1\frac{1}{8}$$

$$\textcircled{13} \quad 7\frac{1}{2} \times 4\frac{1}{3}$$

$$\textcircled{14} \quad 1\frac{5}{6} \times 2\frac{3}{5}$$

$$\textcircled{15} \quad 5\frac{3}{4} \times 1\frac{2}{23}$$

$$\textcircled{16} \quad 3\frac{5}{9} \times 1\frac{7}{16}$$

$$\textcircled{17} \quad 2\frac{6}{7} \times 1\frac{1}{3}$$

$$\textcircled{18} \quad 4\frac{4}{5} \times 1\frac{3}{7}$$

$$\textcircled{19} \quad 1\frac{5}{12} \times 3\frac{1}{9}$$

$$\textcircled{20} \quad 5\frac{1}{2} \times 4\frac{2}{3}$$

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<例>

$$1\frac{2}{3} \times 2\frac{7}{10} = \frac{5}{3} \times \frac{27}{10} \leftarrow \begin{array}{l} \text{帯分数} \Rightarrow \text{仮分数} \\ \text{約分} \end{array}$$

$$= \frac{9}{2} = 4\frac{1}{2} \leftarrow \text{帯分数に}$$

<練習>

$$2\frac{5}{8} \times 3\frac{1}{7}$$

① $3\frac{1}{8} \times 1\frac{7}{15}$

② $2\frac{2}{3} \times 3\frac{3}{4}$

③ $4\frac{4}{5} \times 2\frac{2}{9}$

④ $1\frac{1}{14} \times 6\frac{3}{10}$

⑤ $7\frac{1}{2} \times 2\frac{4}{5}$

⑥ $2\frac{1}{12} \times 1\frac{3}{35}$

⑦ $5\frac{2}{7} \times 1\frac{12}{37}$

⑧ $3\frac{5}{9} \times 2\frac{1}{10}$

⑨ $5\frac{1}{4} \times 2\frac{2}{35}$

⑩ $1\frac{9}{16} \times 3\frac{3}{5}$

⑪ $4\frac{1}{2} \times 2\frac{4}{15}$

⑫ $1\frac{5}{8} \times 1\frac{3}{13}$

⑬ $3\frac{8}{9} \times 1\frac{13}{14}$

⑭ $2\frac{1}{12} \times 3\frac{3}{10}$

⑮ $5\frac{1}{5} \times 2\frac{4}{13}$

⑯ $4\frac{2}{7} \times 2\frac{11}{12}$

⑰ $1\frac{5}{18} \times 2\frac{8}{23}$

⑱ $2\frac{8}{15} \times 3\frac{3}{8}$

⑲ $4\frac{9}{10} \times 2\frac{13}{21}$

⑳ $3\frac{5}{9} \times 2\frac{13}{16}$