

# 77 小数のたし算・ひき算

章  
20

制限時間  
20分

合格点  
80点

点

たし算をしましょう。(2点×15問=30点)

例 $0.3+0.1=0.4$	① $0.5+0.4=$	② $0.2+0.6=$	③ $0.3+0.6=$
④ $0.6+0.9=$	⑤ $0.5+0.8=$	⑥ $0.8+0.4=$	⑦ $0.9+0.1=$
⑧ $1.3+0.4=$	⑨ $2.5+0.1=$	⑩ $0.7+3.2=$	⑪ $0.2+5.2=$
⑫ $4.4+0.6=$	⑬ $6.5+0.5=$	⑭ $0.8+7.2=$	⑮ $0.3+8.7=$

たし算をしましょう。(2点×8問=16点)

① $\begin{array}{r} 0.487 \\ + 4.132 \\ \hline \end{array}$	② $\begin{array}{r} 1.078 \\ + 5.247 \\ \hline \end{array}$	③ $\begin{array}{r} 0.085 \\ + 6.935 \\ \hline \end{array}$	④ $\begin{array}{r} 7.216 \\ + 5.784 \\ \hline \end{array}$
⑤ $\begin{array}{r} 4.196 \\ + 3.62 \\ \hline \end{array}$	⑥ $\begin{array}{r} 0.2 \\ + 1.973 \\ \hline \end{array}$	⑦ $\begin{array}{r} 1.398 \\ + 5 \\ \hline \end{array}$	⑧ $\begin{array}{r} 4 \\ + 8.009 \\ \hline \end{array}$

ひき算をしましょう。(2点×15問=30点)

例 $0.5-0.1=0.4$	① $0.6-0.3=$	② $0.9-0.2=$	③ $0.5-0.4=$
④ $1-0.3=$	⑤ $1-0.5=$	⑥ $1-0.8=$	⑦ $1-0.4=$
⑧ $1.2-0.8=$	⑨ $1.7-0.8=$	⑩ $1.1-0.6=$	⑪ $1.4-0.8=$
⑫ $5-0.2=$	⑬ $2-0.5=$	⑭ $9-0.7=$	⑮ $3-0.9=$

ひき算をしましょう。(2点×12問=24点)

① $\begin{array}{r} 2.972 \\ - 1.651 \\ \hline \end{array}$	② $\begin{array}{r} 2.842 \\ - 1.96 \\ \hline \end{array}$	③ $\begin{array}{r} 9989 \\ - 6079 \\ \hline \end{array}$	④ $\begin{array}{r} 7.651 \\ - 4.851 \\ \hline \end{array}$
⑤ $\begin{array}{r} 73.1 \\ - 48.56 \\ \hline \end{array}$	⑥ $\begin{array}{r} 89.2 \\ - 7.94 \\ \hline \end{array}$	⑦ $\begin{array}{r} 454 \\ - 1098 \\ \hline \end{array}$	⑧ $\begin{array}{r} 9.62 \\ - 7.657 \\ \hline \end{array}$
⑨ $\begin{array}{r} 8.3 \\ - 0.376 \\ \hline \end{array}$	⑩ $\begin{array}{r} 86 \\ - 70.52 \\ \hline \end{array}$	⑪ $\begin{array}{r} 1 \\ - 0.561 \\ \hline \end{array}$	⑫ $\begin{array}{r} 9 \\ - 8.426 \\ \hline \end{array}$

# 78 小数のかけ算・わり算

章  
20

制限時間  
20分

合格点  
80点

点

かけ算をしましょう。(3点×12問=36点)

①	$\begin{array}{r} 2.58 \\ \times 3.7 \\ \hline \\ \hline \end{array}$	②	$\begin{array}{r} 3.37 \\ \times 2.4 \\ \hline \\ \hline \end{array}$	③	$\begin{array}{r} 8.13 \\ \times 2.3 \\ \hline \\ \hline \end{array}$	④	$\begin{array}{r} 5.47 \\ \times 3.9 \\ \hline \\ \hline \end{array}$
⑤	$\begin{array}{r} 0.35 \\ \times 2.7 \\ \hline \\ \hline \end{array}$	⑥	$\begin{array}{r} 4.8 \\ \times 0.92 \\ \hline \\ \hline \end{array}$	⑦	$\begin{array}{r} 3.5 \\ \times 0.24 \\ \hline \\ \hline \end{array}$	⑧	$\begin{array}{r} 7.5 \\ \times 0.12 \\ \hline \\ \hline \end{array}$
⑨	$\begin{array}{r} 0.16 \\ \times 0.52 \\ \hline \\ \hline \end{array}$	⑩	$\begin{array}{r} 0.12 \\ \times 0.73 \\ \hline \\ \hline \end{array}$	⑪	$\begin{array}{r} 6.24 \\ \times 0.12 \\ \hline \\ \hline \end{array}$	⑫	$\begin{array}{r} 3.63 \\ \times 0.25 \\ \hline \\ \hline \end{array}$

わり算をしましょう。(3点×4問=12点)

①	$4.8 \div 0.6 =$	②	$0.54 \div 0.06 =$	③	$3.2 \div 0.04 =$	④	$0.25 \div 0.5 =$
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わり切れるまで計算しましょう。(4点×8問=32点)

①	$\begin{array}{r} 2 \overline{) 1.56} \\ \hline \\ \hline \end{array}$	②	$\begin{array}{r} 4 \overline{) 2.92} \\ \hline \\ \hline \end{array}$	③	$\begin{array}{r} 0.6 \overline{) 2.1} \\ \hline \\ \hline \end{array}$	④	$\begin{array}{r} 0.5 \overline{) 4.6} \\ \hline \\ \hline \end{array}$
⑤	$\begin{array}{r} 28 \overline{) 70.} \\ \hline \\ \hline \end{array}$	⑥	$\begin{array}{r} 52 \overline{) 78} \\ \hline \\ \hline \end{array}$	⑦	$\begin{array}{r} 34 \overline{) 85} \\ \hline \\ \hline \end{array}$	⑧	$\begin{array}{r} 1.2 \overline{) 54} \\ \hline \\ \hline \end{array}$

商は一の位までもとめて、あまりも出しましょう。(5点×4問=20点)

①	$\begin{array}{r} 3.2 \overline{) 40.1} \\ \hline \\ \hline \end{array}$	②	$\begin{array}{r} 2.5 \overline{) 91.8} \\ \hline \\ \hline \end{array}$	③	$\begin{array}{r} 34 \overline{) 86} \\ \hline \\ \hline \end{array}$	④	$\begin{array}{r} 3.8 \overline{) 84.5} \\ \hline \\ \hline \end{array}$
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# 79 分数のたし算・ひき算

章  
20

制限時間  
20分

合格点  
80点

点

計算しましょう。(2点×24問=48点)

① $\frac{2}{5} + \frac{1}{5} =$	② $\frac{1}{7} + \frac{5}{7} =$	③ $\frac{5}{9} + \frac{2}{9} =$	④ $\frac{7}{8} + \frac{1}{8} =$
⑤ $3\frac{2}{9} + 1\frac{2}{9} =$	⑥ $2\frac{2}{5} + 1\frac{1}{5} =$	⑦ $1\frac{1}{3} + 4\frac{1}{3} =$	⑧ $3\frac{3}{7} + \frac{2}{7} =$
⑨ $1\frac{2}{3} + 1\frac{1}{3} =$	⑩ $2\frac{5}{6} + 1\frac{1}{6} =$	⑪ $2\frac{1}{4} + 2\frac{3}{4} =$	⑫ $\frac{1}{8} + 2\frac{7}{8} =$
⑬ $\frac{3}{5} - \frac{1}{5} =$	⑭ $\frac{5}{7} - \frac{1}{7} =$	⑮ $\frac{2}{3} - \frac{1}{3} =$	⑯ $\frac{9}{4} - \frac{1}{4} =$
⑰ $3\frac{2}{3} - 1\frac{1}{3} =$	⑱ $6\frac{4}{5} - 2\frac{2}{5} =$	⑲ $1\frac{4}{7} - \frac{3}{7} =$	⑳ $4\frac{1}{2} - 2\frac{1}{2} =$
㉑ $1 - \frac{1}{5} =$	㉒ $1 - \frac{3}{7} =$	㉓ $3 - \frac{5}{2} =$	㉔ $3 - \frac{7}{3} =$

計算しましょう。(2点×20問=40点)

① $\frac{1}{6} + \frac{1}{3} =$	② $\frac{2}{3} + \frac{2}{15} =$
③ $\frac{1}{20} + \frac{1}{12} =$	④ $\frac{3}{10} + \frac{1}{6} =$
⑤ $\frac{3}{5} + \frac{9}{10} =$	⑥ $\frac{17}{21} + \frac{5}{6} =$
⑦ $1\frac{1}{2} + 2\frac{1}{6} =$	⑧ $1\frac{3}{8} + 1\frac{7}{24} =$
⑨ $2\frac{2}{3} + 1\frac{7}{12} =$	⑩ $3\frac{4}{5} + 1\frac{13}{15} =$
⑪ $\frac{1}{2} - \frac{1}{10} =$	⑫ $\frac{3}{4} - \frac{9}{20} =$
⑬ $\frac{9}{10} - \frac{1}{15} =$	⑭ $\frac{7}{18} - \frac{3}{10} =$
⑮ $\frac{2}{15} - \frac{1}{12} =$	⑯ $\frac{5}{6} - \frac{11}{14} =$
⑰ $3\frac{1}{2} - 1\frac{3}{10} =$	⑱ $4\frac{5}{12} - 1\frac{1}{6} =$
⑲ $4\frac{3}{10} - 2\frac{5}{6} =$	⑳ $2\frac{2}{15} - 1\frac{11}{20} =$

計算しましょう。(3点×4問=12点)

① $0.3 + \frac{11}{10} =$	② $1.75 + 2\frac{3}{4} =$
③ $\frac{7}{9} - 0.2 =$	④ $1\frac{5}{6} - 1.6 =$

# 80 分数のかけ算・わり算

章  
20

制限時間  
20分

合格点  
80点

点

かけ算をしましょう。(2点×20問=40点)

例 $\frac{2}{3} \times \frac{5}{9} = \frac{2 \times 5}{3 \times 9} = \frac{10}{27}$	① $\frac{3}{4} \times \frac{5}{7} =$	② $\frac{3}{8} \times \frac{1}{4} =$
③ $\frac{7}{3} \times \frac{4}{5} =$	④ $\frac{5}{2} \times \frac{5}{7} =$	⑤ $\frac{5}{6} \times \frac{7}{2} =$
⑥ $\frac{1}{5} \times 4 =$	⑦ $\frac{4}{17} \times 4 =$	⑧ $\frac{7}{8} \times 3 =$
③ $\frac{4}{5} \times \frac{7}{8} =$	⑩ $\frac{4}{9} \times \frac{6}{7} =$	⑪ $\frac{3}{20} \times \frac{14}{15} =$
⑫ $\frac{7}{10} \times \frac{5}{3} =$	⑬ $\frac{5}{6} \times \frac{9}{2} =$	⑭ $9 \times \frac{5}{3} =$
⑮ $\frac{1}{15} \times 4\frac{1}{2} =$	⑯ $4\frac{2}{3} \times \frac{4}{21} =$	⑰ $2\frac{1}{10} \times \frac{5}{14} =$
⑱ $\frac{5}{8} \times 2\frac{2}{7} =$	⑲ $1\frac{1}{3} \times 1\frac{4}{5} =$	⑳ $\frac{3}{8} \times 3\frac{5}{9} =$

わり算をしましょう。(2点×20問=40点)

例 $\frac{3}{4} \div \frac{7}{5} = \frac{3 \times 5}{4 \times 7} = \frac{15}{28}$	① $\frac{4}{5} \div \frac{7}{6} =$	② $\frac{2}{3} \div \frac{9}{5} =$
③ $\frac{7}{3} \div \frac{5}{4} =$	④ $\frac{1}{4} \div \frac{2}{9} =$	⑤ $\frac{5}{6} \div \frac{2}{7} =$
⑥ $\frac{2}{7} \div 3 =$	⑦ $\frac{5}{13} \div 2 =$	⑧ $\frac{19}{2} \div 2 =$
③ $\frac{1}{4} \div \frac{9}{8} =$	⑩ $\frac{10}{11} \div \frac{15}{4} =$	⑪ $\frac{5}{9} \div \frac{10}{3} =$
⑫ $\frac{9}{2} \div \frac{6}{5} =$	⑬ $\frac{7}{10} \div \frac{3}{5} =$	⑭ $9 \div \frac{3}{5} =$
⑮ $\frac{3}{20} \div 1\frac{1}{8} =$	⑯ $2\frac{2}{9} \div 5\frac{1}{3} =$	⑰ $2\frac{1}{10} \div 2\frac{4}{5} =$
⑱ $2\frac{1}{3} \div \frac{2}{5} =$	⑲ $4\frac{1}{6} \div \frac{5}{8} =$	⑳ $3 \div 2\frac{1}{4} =$

計算しましょう。(2点×6問=12点)

① $\frac{1}{2} \div \frac{3}{2} \times \frac{5}{7} =$	② $\frac{4}{7} \div \frac{15}{14} \times \frac{3}{4} =$	③ $\frac{2}{3} \times \frac{1}{8} \div \frac{7}{9} =$
④ $\frac{3}{4} \div 1\frac{1}{5} \times \frac{1}{5} =$	⑤ $\frac{2}{9} \times 1\frac{3}{4} \div \frac{5}{6} =$	⑥ $\frac{1}{8} \div 1\frac{1}{4} \div \frac{1}{5} =$

計算しましょう。(4点×2問=8点)

① $\frac{11}{12} \times \frac{15}{22} - \frac{4}{9} \times \frac{3}{8} =$
② $(\frac{3}{4} - \frac{1}{12}) \times (\frac{5}{8} - \frac{1}{4}) =$

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章  
20

制限時間  
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合格点  
80点

点

たし算をしましょう。(2点×15問=30点)

例 $0.3+0.1=0.4$	① $0.5+0.4=0.9$	② $0.2+0.6=0.8$	③ $0.3+0.6=0.9$
④ $0.6+0.9=1.5$	⑤ $0.5+0.8=1.3$	⑥ $0.8+0.4=1.2$	⑦ $0.9+0.1=1$
⑧ $1.3+0.4=1.7$	⑨ $2.5+0.1=2.6$	⑩ $0.7+3.2=3.9$	⑪ $0.2+5.2=5.4$
⑫ $4.4+0.6=5$	⑬ $6.5+0.5=7$	⑭ $0.8+7.2=8$	⑮ $0.3+8.7=9$

たし算をしましょう。(2点×8問=16点)

① $\begin{array}{r} 0.487 \\ + 4.132 \\ \hline 4.619 \end{array}$	② $\begin{array}{r} 1.078 \\ + 5.247 \\ \hline 6.325 \end{array}$	③ $\begin{array}{r} 0.085 \\ + 6.935 \\ \hline 7.020 \end{array}$	④ $\begin{array}{r} 7.216 \\ + 5.784 \\ \hline 13.000 \end{array}$
⑤ $\begin{array}{r} 4.196 \\ + 3.620 \\ \hline 7.816 \end{array}$	⑥ $\begin{array}{r} 0.200 \\ + 1.973 \\ \hline 2.173 \end{array}$	⑦ $\begin{array}{r} 1.398 \\ + 5.000 \\ \hline 6.398 \end{array}$	⑧ $\begin{array}{r} 4.000 \\ + 8.009 \\ \hline 12.009 \end{array}$

ひき算をしましょう。(2点×15問=30点)

例 $0.5-0.1=0.4$	① $0.6-0.3=0.3$	② $0.9-0.2=0.7$	③ $0.5-0.4=0.1$
④ $1-0.3=0.7$	⑤ $1-0.5=0.5$	⑥ $1-0.8=0.2$	⑦ $1-0.4=0.6$
⑧ $1.2-0.8=0.4$	⑨ $1.7-0.8=0.9$	⑩ $1.1-0.6=0.5$	⑪ $1.4-0.8=0.6$
⑫ $5-0.2=4.8$	⑬ $2-0.5=1.5$	⑭ $9-0.7=8.3$	⑮ $3-0.9=2.1$

ひき算をしましょう。(2点×12問=24点)

① $\begin{array}{r} 2.972 \\ - 1.651 \\ \hline 1.321 \end{array}$	② $\begin{array}{r} 2.842 \\ - 1.960 \\ \hline 0.882 \end{array}$	③ $\begin{array}{r} 9.989 \\ - 6.079 \\ \hline 3.910 \end{array}$	④ $\begin{array}{r} 7.651 \\ - 4.851 \\ \hline 2.800 \end{array}$
⑤ $\begin{array}{r} 73.10 \\ - 48.56 \\ \hline 24.54 \end{array}$	⑥ $\begin{array}{r} 89.20 \\ - 7.94 \\ \hline 81.26 \end{array}$	⑦ $\begin{array}{r} 45.40 \\ - 10.98 \\ \hline 34.42 \end{array}$	⑧ $\begin{array}{r} 9.620 \\ - 7.657 \\ \hline 1.963 \end{array}$
⑨ $\begin{array}{r} 8.300 \\ - 0.376 \\ \hline 7.924 \end{array}$	⑩ $\begin{array}{r} 86.00 \\ - 70.52 \\ \hline 15.48 \end{array}$	⑪ $\begin{array}{r} 1000 \\ - 0561 \\ \hline 0439 \end{array}$	⑫ $\begin{array}{r} 9.000 \\ - 8.426 \\ \hline 0.574 \end{array}$

# 78 小数のかけ算・わり算

章  
20

制限時間  
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点

かけ算をしましょう。(3点×12問=36点)

①	$\begin{array}{r} 2.58 \\ \times 3.7 \\ \hline 1806 \\ 774 \\ \hline 9546 \end{array}$	②	$\begin{array}{r} 3.37 \\ \times 2.4 \\ \hline 1348 \\ 674 \\ \hline 8088 \end{array}$	③	$\begin{array}{r} 8.13 \\ \times 2.3 \\ \hline 2439 \\ 1626 \\ \hline 18699 \end{array}$	④	$\begin{array}{r} 5.47 \\ \times 3.9 \\ \hline 4923 \\ 1641 \\ \hline 21333 \end{array}$
⑤	$\begin{array}{r} 0.35 \\ \times 2.7 \\ \hline 245 \\ 70 \\ \hline 0.945 \end{array}$	⑥	$\begin{array}{r} 4.8 \\ \times 0.92 \\ \hline 96 \\ 432 \\ \hline 4.416 \end{array}$	⑦	$\begin{array}{r} 3.5 \\ \times 0.24 \\ \hline 140 \\ 70 \\ \hline 0.84\cancel{0} \end{array}$	⑧	$\begin{array}{r} 7.5 \\ \times 0.12 \\ \hline 150 \\ 75 \\ \hline 0.9\cancel{0}\cancel{0} \end{array}$
⑨	$\begin{array}{r} 0.16 \\ \times 0.52 \\ \hline 32 \\ 80 \\ \hline 0.0832 \end{array}$	⑩	$\begin{array}{r} 0.12 \\ \times 0.73 \\ \hline 36 \\ 84 \\ \hline 0.0876 \end{array}$	⑪	$\begin{array}{r} 6.24 \\ \times 0.12 \\ \hline 1248 \\ 624 \\ \hline 0.7488 \end{array}$	⑫	$\begin{array}{r} 3.63 \\ \times 0.25 \\ \hline 1815 \\ 726 \\ \hline 0.9075 \end{array}$

わり算をしましょう。(3点×4問=12点)

①	$4.8 \div 0.6 = 8$	②	$0.54 \div 0.06 = 9$	③	$3.2 \div 0.04 = 80$	④	$0.25 \div 0.5 = 0.5$
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わり切れるまで計算しましょう。(4点×8問=32点)

①	$\begin{array}{r} 0.78 \\ 2 \overline{) 1.56} \\ \underline{14} \\ 16 \\ \underline{16} \\ 0 \end{array}$	②	$\begin{array}{r} 0.73 \\ 4 \overline{) 2.92} \\ \underline{28} \\ 12 \\ \underline{12} \\ 0 \end{array}$	③	$\begin{array}{r} 3.5 \\ 0\cancel{6} \overline{) 21.0} \\ \underline{18} \\ 30 \\ \underline{30} \\ 0 \end{array}$	④	$\begin{array}{r} 9.2 \\ 0\cancel{5} \overline{) 46.0} \\ \underline{45} \\ 10 \\ \underline{10} \\ 0 \end{array}$
⑤	$\begin{array}{r} 2.5 \\ 28 \overline{) 70.0} \\ \underline{56} \\ 140 \\ \underline{140} \\ 0 \end{array}$	⑥	$\begin{array}{r} 1.5 \\ 52 \overline{) 78.0} \\ \underline{52} \\ 260 \\ \underline{260} \\ 0 \end{array}$	⑦	$\begin{array}{r} 2.5 \\ 34 \overline{) 85.0} \\ \underline{68} \\ 170 \\ \underline{170} \\ 0 \end{array}$	⑧	$\begin{array}{r} 4.5 \\ 1\cancel{2} \overline{) 54.0} \\ \underline{48} \\ 60 \\ \underline{60} \\ 0 \end{array}$

商は一の位までもとめて、あまりも出しましょう。(5点×4問=20点)

①	$\begin{array}{r} 1.2 \\ 3\cancel{2} \overline{) 40.1} \\ \underline{32} \\ 81 \\ \underline{64} \\ 17 \end{array}$	②	$\begin{array}{r} 3.6 \\ 2\cancel{5} \overline{) 91.8} \\ \underline{75} \\ 168 \\ \underline{150} \\ 18 \end{array}$	③	$\begin{array}{r} 2.5 \\ 34 \overline{) 86.0} \\ \underline{68} \\ 180 \\ \underline{170} \\ 10 \end{array}$	④	$\begin{array}{r} 2.2 \\ 3\cancel{8} \overline{) 84.5} \\ \underline{76} \\ 85 \\ \underline{76} \\ 9 \end{array}$
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# 79 分数のたし算・ひき算

章  
20

制限時間  
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合格点  
80点

点

計算しましょう。(2点×24問=48点)

① $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$	② $\frac{1}{7} + \frac{5}{7} = \frac{6}{7}$	③ $\frac{5}{9} + \frac{2}{9} = \frac{7}{9}$	④ $\frac{7}{8} + \frac{1}{8} = \frac{8}{8} = 1$
⑤ $3\frac{2}{9} + 1\frac{2}{9} = 4\frac{4}{9}$	⑥ $2\frac{2}{5} + 1\frac{1}{5} = 3\frac{3}{5}$	⑦ $1\frac{1}{3} + 4\frac{1}{3} = 5\frac{2}{3}$	⑧ $3\frac{3}{7} + \frac{2}{7} = 3\frac{5}{7}$
⑨ $1\frac{2}{3} + 1\frac{1}{3} = 2\frac{3}{3} = 3$	⑩ $2\frac{5}{6} + 1\frac{1}{6} = 3\frac{6}{6} = 4$	⑪ $2\frac{1}{4} + 2\frac{3}{4} = 4\frac{4}{4} = 5$	⑫ $\frac{1}{8} + 2\frac{7}{8} = 2\frac{8}{8} = 3$
⑬ $\frac{3}{5} - \frac{1}{5} = \frac{2}{5}$	⑭ $\frac{5}{7} - \frac{1}{7} = \frac{4}{7}$	⑮ $\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$	⑯ $\frac{9}{4} - \frac{1}{4} = \frac{8}{4} = 2$
⑰ $3\frac{2}{3} - 1\frac{1}{3} = 2\frac{1}{3}$	⑱ $6\frac{4}{5} - 2\frac{2}{5} = 4\frac{2}{5}$	⑲ $1\frac{4}{7} - \frac{3}{7} = 1\frac{1}{7}$	⑳ $4\frac{1}{2} - 2\frac{1}{2} = 2$
㉑ $1 - \frac{1}{5} = \frac{5}{5} - \frac{1}{5} = \frac{4}{5}$	㉒ $1 - \frac{3}{7} = \frac{7}{7} - \frac{3}{7} = \frac{4}{7}$	㉓ $3 - \frac{5}{2} = \frac{6}{2} - \frac{5}{2} = \frac{1}{2}$	㉔ $3 - \frac{7}{3} = \frac{9}{3} - \frac{7}{3} = \frac{2}{3}$

計算しましょう。(2点×20問=40点)

① $\frac{1}{6} + \frac{1}{3} = \frac{1}{6} + \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$	② $\frac{2}{3} + \frac{2}{15} = \frac{10}{15} + \frac{2}{15} = \frac{12}{15} = \frac{4}{5}$
③ $\frac{1}{20} + \frac{1}{12} = \frac{3}{60} + \frac{5}{60} = \frac{8}{60} = \frac{2}{15}$	④ $\frac{3}{10} + \frac{1}{6} = \frac{9}{30} + \frac{5}{30} = \frac{14}{30} = \frac{7}{15}$
⑤ $\frac{3}{5} + \frac{9}{10} = \frac{6}{10} + \frac{9}{10} = \frac{15}{10} = \frac{3}{2} (1\frac{1}{2})$	⑥ $\frac{17}{21} + \frac{5}{6} = \frac{34}{42} + \frac{35}{42} = \frac{69}{42} = \frac{23}{14} (1\frac{9}{14})$
⑦ $1\frac{1}{2} + 2\frac{1}{6} = 1\frac{3}{6} + 2\frac{1}{6} = 3\frac{4}{6} = 3\frac{2}{3}$	⑧ $1\frac{3}{8} + 1\frac{7}{24} = 1\frac{9}{24} + 1\frac{7}{24} = 2\frac{16}{24} = 2\frac{2}{3}$
⑨ $2\frac{2}{3} + 1\frac{7}{12} = 2\frac{8}{12} + 1\frac{7}{12} = 3\frac{15}{12} = 4\frac{3}{12} = 4\frac{1}{4}$	⑩ $3\frac{4}{5} + 1\frac{13}{15} = 3\frac{12}{15} + 1\frac{13}{15} = 4\frac{25}{15} = 5\frac{10}{15} = 5\frac{2}{3}$
⑪ $\frac{1}{2} - \frac{1}{10} = \frac{5}{10} - \frac{1}{10} = \frac{4}{10} = \frac{2}{5}$	⑫ $\frac{3}{4} - \frac{9}{20} = \frac{15}{20} - \frac{9}{20} = \frac{6}{20} = \frac{3}{10}$
⑬ $\frac{9}{10} - \frac{1}{15} = \frac{27}{30} - \frac{2}{30} = \frac{25}{30} = \frac{5}{6}$	⑭ $\frac{7}{18} - \frac{3}{10} = \frac{35}{90} - \frac{27}{90} = \frac{8}{90} = \frac{4}{45}$
⑮ $\frac{2}{15} - \frac{1}{12} = \frac{8}{60} - \frac{5}{60} = \frac{3}{60} = \frac{1}{20}$	⑯ $\frac{5}{6} - \frac{11}{14} = \frac{35}{42} - \frac{33}{42} = \frac{2}{42} = \frac{1}{21}$
⑰ $3\frac{1}{2} - 1\frac{3}{10} = 3\frac{5}{10} - 1\frac{3}{10} = 2\frac{2}{10} = 2\frac{1}{5}$	⑱ $4\frac{5}{12} - 1\frac{1}{6} = 4\frac{5}{12} - 1\frac{2}{12} = 3\frac{3}{12} = 3\frac{1}{4}$
⑲ $4\frac{3}{10} - 2\frac{5}{6} = 3\frac{39}{30} - 2\frac{25}{30} = 1\frac{14}{30} = 1\frac{7}{15}$	⑳ $2\frac{2}{15} - 1\frac{11}{20} = 1\frac{68}{60} - 1\frac{33}{60} = \frac{35}{60} = \frac{7}{12}$

計算しましょう。(3点×4問=12点)

① $0.3 + \frac{11}{10} = \frac{3}{10} + \frac{11}{10} = \frac{14}{10} = \frac{7}{5} (1\frac{2}{5})$	② $1.75 + 2\frac{3}{4} = 1\frac{3}{4} + 2\frac{3}{4} = 3\frac{6}{4} = 4\frac{2}{4} = 4\frac{1}{2}$
③ $\frac{7}{9} - 0.2 = \frac{7}{9} - \frac{1}{5} = \frac{35}{45} - \frac{9}{45} = \frac{26}{45}$	④ $1\frac{5}{6} - 1.6 = 1\frac{5}{6} - 1\frac{3}{5} = 1\frac{25}{30} - 1\frac{18}{30} = \frac{7}{30}$

# 80 分数のかけ算・わり算

章  
20

制限時間  
20分

合格点  
80点

点

かけ算をしましょう。(2点×20問=40点)

例 $\frac{2}{3} \times \frac{5}{9} = \frac{2 \times 5}{3 \times 9} = \frac{10}{27}$	① $\frac{3}{4} \times \frac{5}{7} = \frac{3 \times 5}{4 \times 7} = \frac{15}{28}$	② $\frac{3}{8} \times \frac{1}{4} = \frac{3 \times 1}{8 \times 4} = \frac{3}{32}$
③ $\frac{7}{3} \times \frac{4}{5} = \frac{7 \times 4}{3 \times 5} = \frac{28}{15} (1\frac{13}{15})$	④ $\frac{5}{2} \times \frac{5}{7} = \frac{5 \times 5}{2 \times 7} = \frac{25}{14} (1\frac{11}{14})$	⑤ $\frac{5}{6} \times \frac{7}{2} = \frac{5 \times 7}{6 \times 2} = \frac{35}{12} (2\frac{11}{12})$
⑥ $\frac{1}{5} \times 4 = \frac{1 \times 4}{5 \times 1} = \frac{4}{5}$	⑦ $\frac{4}{17} \times 4 = \frac{4 \times 4}{17 \times 1} = \frac{16}{17}$	⑧ $\frac{7}{8} \times 3 = \frac{7 \times 3}{8 \times 1} = \frac{21}{8} (2\frac{5}{8})$
③ $\frac{4}{5} \times \frac{7}{8} = \frac{4 \times 7}{5 \times 8} = \frac{7}{10}$	⑩ $\frac{4}{9} \times \frac{6}{7} = \frac{4 \times 6}{9 \times 7} = \frac{8}{21}$	⑪ $\frac{3}{20} \times \frac{14}{15} = \frac{3 \times 14}{20 \times 15} = \frac{7}{50}$
⑫ $\frac{7}{10} \times \frac{5}{3} = \frac{7 \times 5}{10 \times 3} = \frac{7}{6} (1\frac{1}{6})$	⑬ $\frac{5}{6} \times \frac{9}{2} = \frac{5 \times 9}{6 \times 2} = \frac{15}{4} (3\frac{3}{4})$	⑭ $9 \times \frac{5}{3} = \frac{9 \times 5}{1 \times 3} = \frac{15}{1} = 15$
⑮ $\frac{1}{15} \times 4\frac{1}{2} = \frac{1 \times 9}{15 \times 2} = \frac{3}{10}$	⑯ $4\frac{2}{3} \times \frac{4}{21} = \frac{14 \times 4}{3 \times 21} = \frac{8}{9}$	⑰ $2\frac{1}{10} \times \frac{5}{14} = \frac{21 \times 5}{10 \times 14} = \frac{3}{4}$
⑱ $\frac{5}{8} \times 2\frac{2}{7} = \frac{5 \times 16}{8 \times 7} = \frac{10}{7} (1\frac{3}{7})$	⑲ $1\frac{1}{3} \times 1\frac{4}{5} = \frac{4 \times 9}{3 \times 5} = \frac{12}{5} (2\frac{2}{5})$	⑳ $\frac{3}{8} \times 3\frac{5}{9} = \frac{3 \times 32}{8 \times 9} = \frac{4}{3} (1\frac{1}{3})$

わり算をしましょう。(2点×20問=40点)

例 $\frac{3}{4} \div \frac{7}{5} = \frac{3 \times 5}{4 \times 7} = \frac{15}{28}$	① $\frac{4}{5} \div \frac{7}{6} = \frac{4 \times 6}{5 \times 7} = \frac{24}{35}$	② $\frac{2}{3} \div \frac{9}{5} = \frac{2 \times 5}{3 \times 9} = \frac{10}{27}$
③ $\frac{7}{3} \div \frac{5}{4} = \frac{7 \times 4}{3 \times 5} = \frac{28}{15} (1\frac{13}{15})$	④ $\frac{1}{4} \div \frac{2}{9} = \frac{1 \times 9}{4 \times 2} = \frac{9}{8} (1\frac{1}{8})$	⑤ $\frac{5}{6} \div \frac{2}{7} = \frac{5 \times 7}{6 \times 2} = \frac{35}{12} (2\frac{11}{12})$
⑥ $\frac{2}{7} \div 3 = \frac{2 \times 1}{7 \times 3} = \frac{2}{21}$	⑦ $\frac{5}{13} \div 2 = \frac{5 \times 1}{13 \times 2} = \frac{5}{26}$	⑧ $\frac{19}{2} \div 2 = \frac{19 \times 1}{2 \times 2} = \frac{19}{4} (4\frac{3}{4})$
③ $\frac{1}{4} \div \frac{9}{8} = \frac{1 \times 8}{4 \times 9} = \frac{2}{9}$	⑩ $\frac{10}{11} \div \frac{15}{4} = \frac{10 \times 4}{11 \times 15} = \frac{8}{33}$	⑪ $\frac{5}{9} \div \frac{10}{3} = \frac{5 \times 3}{9 \times 10} = \frac{1}{6}$
⑫ $\frac{9}{2} \div \frac{6}{5} = \frac{9 \times 5}{2 \times 6} = \frac{15}{4} (3\frac{3}{4})$	⑬ $\frac{7}{10} \div \frac{3}{5} = \frac{7 \times 5}{10 \times 3} = \frac{7}{6} (1\frac{1}{6})$	⑭ $9 \div \frac{3}{5} = \frac{9 \times 5}{1 \times 3} = \frac{15}{1} = 15$
⑮ $\frac{3}{20} \div 1\frac{1}{8} = \frac{3 \times 8}{20 \times 9} = \frac{2}{15}$	⑯ $2\frac{2}{9} \div 5\frac{1}{3} = \frac{20 \times 3}{9 \times 16} = \frac{5}{12}$	⑰ $2\frac{1}{10} \div 2\frac{4}{5} = \frac{21 \times 5}{10 \times 14} = \frac{3}{4}$
⑱ $2\frac{1}{3} \div \frac{2}{5} = \frac{7 \times 5}{3 \times 2} = \frac{35}{6} (5\frac{5}{6})$	⑲ $4\frac{1}{6} \div \frac{5}{8} = \frac{25 \times 8}{6 \times 5} = \frac{20}{3} (6\frac{2}{3})$	⑳ $3 \div 2\frac{1}{4} = \frac{3 \times 4}{1 \times 9} = \frac{4}{3} (1\frac{1}{3})$

計算しましょう。(2点×6問=12点)

① $\frac{1}{2} \div \frac{3}{2} \times \frac{5}{7} = \frac{1 \times 2 \times 5}{2 \times 3 \times 7} = \frac{5}{21}$	② $\frac{4}{7} \div \frac{15}{14} \times \frac{3}{4} = \frac{4 \times 14 \times 3}{7 \times 15 \times 4} = \frac{2}{5}$	③ $\frac{2}{3} \times \frac{1}{8} \div \frac{7}{9} = \frac{2 \times 1 \times 9}{3 \times 8 \times 7} = \frac{3}{28}$
④ $\frac{3}{4} \div 1\frac{1}{5} \times \frac{1}{5} = \frac{3 \times 5 \times 1}{4 \times 6 \times 5} = \frac{1}{8}$	⑤ $\frac{2}{9} \times 1\frac{3}{4} \div \frac{5}{6} = \frac{2 \times 7 \times 6}{9 \times 4 \times 5} = \frac{7}{15}$	⑥ $\frac{1}{8} \div 1\frac{1}{4} \div \frac{1}{5} = \frac{1 \times 4 \times 5}{8 \times 5 \times 1} = \frac{1}{2}$

計算しましょう。(4点×2問=8点)

① $\frac{11}{12} \times \frac{15}{22} - \frac{4}{9} \times \frac{3}{8} = \frac{11 \times 15}{12 \times 22} + \frac{4 \times 3}{9 \times 8} = \frac{5}{8} - \frac{1}{6} = \frac{15}{24} - \frac{4}{24} = \frac{11}{24}$
② $(\frac{3}{4} - \frac{1}{12}) \times (\frac{5}{8} - \frac{1}{4}) = (\frac{9}{12} - \frac{1}{12}) \times (\frac{5}{8} - \frac{2}{8}) = \frac{8 \times 3}{12 \times 8} = \frac{1}{4}$