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ABCDE かけ算をしましょう。

例 $\frac{4}{5}\times 3=\frac{12}{5}\left(=2\frac{2}{5}\right)$

別解(べっかい) $\frac{4}{5}\times 3=\frac{4}{5}\times\frac{3}{1}=\frac{12}{5}\left(=2\frac{2}{5}\right)$

例 $\frac{2}{3}\times\frac{4}{7}=\frac{2\times 4}{3\times 7}=\frac{8}{21}$

(1) $\frac{2}{5}\times 2=\frac{\mathbf{4}}{\mathbf{5}}$

(2) $\frac{1}{2}\times 9=\frac{\mathbf{9}}{\mathbf{2}}\left(=\mathbf{4}\frac{\mathbf{1}}{\mathbf{2}}\right)$

(3) $3\times\frac{3}{5}=\frac{\mathbf{9}}{\mathbf{5}}\left(=\mathbf{1}\frac{\mathbf{4}}{\mathbf{5}}\right)$

(4) $\frac{5}{6}\times 7=\frac{\mathbf{35}}{\mathbf{6}}\left(=\mathbf{5}\frac{\mathbf{5}}{\mathbf{6}}\right)$

(5) $4\times\frac{3}{7}=\frac{\mathbf{12}}{\mathbf{7}}\left(=\mathbf{1}\frac{\mathbf{5}}{\mathbf{7}}\right)$

(1) $\frac{3}{5}\times\frac{1}{2}=\frac{\mathbf{3}}{\mathbf{10}}$

(2) $\frac{1}{4}\times\frac{3}{5}=\frac{\mathbf{3}}{\mathbf{20}}$

(3) $\frac{1}{4}\times\frac{5}{6}=\frac{\mathbf{5}}{\mathbf{24}}$

(4) $\frac{1}{3}\times\frac{5}{7}=\frac{\mathbf{5}}{\mathbf{21}}$

(5) $\frac{3}{4}\times\frac{3}{7}=\frac{\mathbf{9}}{\mathbf{28}}$

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例 $\frac{3}{4}\times\frac{5}{6}=\frac{\overset{1}{\cancel{3}}\times 5}{4\times\underset{2}{\cancel{6}}}=\frac{5}{8}$　$\frac{2}{3}\times\frac{3}{4}=\frac{\overset{1}{\cancel{2}}\times\overset{1}{\cancel{3}}}{\underset{1}{\cancel{3}}\times\underset{2}{\cancel{4}}}=\frac{1}{2}$

(1) $\frac{\overset{1}{\cancel{2}}}{3}\times\frac{1}{\underset{2}{\cancel{4}}}=\frac{1}{6}$

(2) $\frac{3}{\underset{2}{\cancel{4}}}\times\frac{\overset{1}{\cancel{2}}}{5}=\frac{3}{10}$

(3) $\frac{\overset{1}{\cancel{3}}}{5}\times\frac{1}{\underset{2}{\cancel{6}}}=\frac{1}{10}$

(4) $\frac{2}{\underset{1}{\cancel{3}}}\times\frac{\overset{2}{\cancel{6}}}{7}=\frac{4}{7}$

(5) $\frac{5}{\underset{3}{\cancel{6}}}\times\frac{\overset{2}{\cancel{4}}}{7}=\frac{10}{21}$

(6) $\frac{\overset{1}{\cancel{5}}}{12}\times\frac{7}{\underset{3}{\cancel{15}}}=\frac{7}{36}$

(7) $\frac{5}{\underset{8}{\cancel{24}}}\times\frac{\overset{1}{\cancel{3}}}{11}=\frac{5}{88}$

(1) $\frac{\overset{1}{\cancel{4}}}{\underset{1}{\cancel{5}}}\times\frac{\overset{1}{\cancel{5}}}{\underset{3}{\cancel{12}}}=\frac{1}{3}$

(2) $\frac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{6}}}\times\frac{\overset{3}{\cancel{9}}}{\underset{2}{\cancel{10}}}=\frac{3}{4}$

(3) $\frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{10}}}\times\frac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{6}}}=\frac{1}{4}$

(4) $\frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{14}}}\times\frac{\overset{1}{\cancel{7}}}{\underset{3}{\cancel{9}}}=\frac{1}{6}$

(5) $\frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{10}}}\times\frac{\overset{1}{\cancel{5}}}{\underset{4}{\cancel{12}}}=\frac{1}{8}$

(6) $\frac{\overset{1}{\cancel{8}}}{\underset{3}{\cancel{15}}}\times\frac{\overset{1}{\cancel{5}}}{\underset{3}{\cancel{24}}}=\frac{1}{9}$

(7) $\frac{\overset{4}{\cancel{12}}}{\underset{5}{\cancel{35}}}\times\frac{\overset{2}{\cancel{14}}}{\underset{9}{\cancel{27}}}=\frac{8}{45}$

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例 $2\frac{1}{4}\times\frac{2}{3}=\frac{\overset{3}{\cancel{9}}}{\underset{2}{\cancel{4}}}\times\frac{\overset{1}{\cancel{2}}}{\underset{1}{\cancel{3}}}=\frac{3}{2}(=1\frac{1}{2})$

(1) $1\frac{2}{5}\times\frac{3}{4}=\frac{7}{5}\times\frac{3}{4}=\frac{21}{20}(=1\frac{1}{20})$

(2) $2\frac{1}{2}\times 2\frac{1}{3}=\frac{5}{2}\times\frac{7}{3}=\frac{35}{6}(=5\frac{5}{6})$

(3) $3\frac{3}{4}\times\frac{2}{3}=\frac{\overset{5}{\cancel{15}}}{\underset{2}{\cancel{4}}}\times\frac{\overset{1}{\cancel{2}}}{\underset{1}{\cancel{3}}}=\frac{5}{2}(=2\frac{1}{2})$

(4) $\frac{3}{5}\times 1\frac{2}{3}=\frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{5}}}\times\frac{\overset{1}{\cancel{5}}}{\underset{1}{\cancel{3}}}=\frac{1}{1}=1$

(5) $2\frac{2}{5}\times 1\frac{7}{8}=\frac{\overset{3}{\cancel{12}}}{\underset{1}{\cancel{5}}}\times\frac{\overset{3}{\cancel{15}}}{\underset{2}{\cancel{8}}}=\frac{9}{2}(=4\frac{1}{2})$

(6) $2\frac{1}{7}\times 3\frac{1}{9}=\frac{\overset{5}{\cancel{15}}}{\underset{1}{\cancel{7}}}\times\frac{\overset{4}{\cancel{28}}}{\underset{3}{\cancel{9}}}=\frac{20}{3}(=6\frac{2}{3})$

(7) $1\frac{1}{14}\times 2\frac{1}{10}=\frac{\overset{3}{\cancel{15}}}{\underset{2}{\cancel{14}}}\times\frac{\overset{3}{\cancel{21}}}{\underset{2}{\cancel{10}}}=\frac{9}{4}(=2\frac{1}{4})$

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ABCDE かけ算をしましょう。

(1) $1\frac{2}{3}\times 1\frac{1}{5}=\frac{\overset{1}{\cancel{5}}}{\underset{1}{\cancel{3}}}\times\frac{\overset{2}{\cancel{6}}}{\underset{1}{\cancel{5}}}=\frac{2}{1}=2$

(2) $1\frac{1}{7}\times 3\frac{5}{8}=\frac{\overset{1}{\cancel{8}}}{7}\times\frac{29}{\underset{1}{\cancel{8}}}=\frac{29}{7}\left(=4\frac{1}{7}\right)$

(3) $2\frac{7}{12}\times 1\frac{1}{2}=\frac{31}{\underset{4}{\cancel{12}}}\times\frac{\overset{1}{\cancel{3}}}{2}=\frac{31}{8}\left(=3\frac{7}{8}\right)$

(4) $2\frac{2}{9}\times 1\frac{7}{8}=\frac{\overset{5}{\cancel{20}}}{\underset{3}{\cancel{9}}}\times\frac{\overset{5}{\cancel{15}}}{\underset{2}{\cancel{8}}}=\frac{25}{6}\left(=4\frac{1}{6}\right)$

(5) $1\frac{3}{4}\times 2\frac{2}{7}=\frac{\overset{1}{\cancel{7}}}{\underset{1}{\cancel{4}}}\times\frac{\overset{4}{\cancel{16}}}{\underset{1}{\cancel{7}}}=\frac{4}{1}=4$

(6) $3\frac{3}{8}\times 1\frac{1}{15}=\frac{\overset{9}{\cancel{27}}}{\underset{1}{\cancel{8}}}\times\frac{\overset{2}{\cancel{16}}}{\underset{5}{\cancel{15}}}=\frac{18}{5}\left(=3\frac{3}{5}\right)$

(7) $2\frac{4}{5}\times\frac{10}{21}=\frac{\overset{2}{\cancel{14}}}{\underset{1}{\cancel{5}}}\times\frac{\overset{2}{\cancel{10}}}{\underset{3}{\cancel{21}}}=\frac{4}{3}\left(=1\frac{1}{3}\right)$

(8) $2\frac{1}{24}\times 2\frac{1}{7}=\frac{\overset{7}{\cancel{49}}}{\underset{8}{\cancel{24}}}\times\frac{\overset{5}{\cancel{15}}}{\underset{1}{\cancel{7}}}=\frac{35}{8}\left(=4\frac{3}{8}\right)$

hakken.

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計算をしましょう。

例 $\frac{3}{4}\times\frac{2}{5}\times\frac{5}{9}=\frac{\overset{1}{\cancel{3}}\times\overset{1}{\cancel{2}}\times\overset{1}{\cancel{5}}}{\underset{2}{\cancel{4}}\times\underset{1}{\cancel{5}}\times\underset{3}{\cancel{9}}}=\frac{1}{6}$

(1) $\frac{\overset{2}{\cancel{8}}}{\underset{3}{\cancel{9}}}\times\frac{\overset{1}{\cancel{3}}}{5}\times\frac{1}{\underset{1}{\cancel{4}}}=\frac{2}{15}$

(2) $\frac{\overset{2}{\cancel{8}}}{\underset{3}{\cancel{9}}}\times\frac{1}{\underset{1}{\cancel{4}}}\times\frac{\overset{2}{\cancel{6}}}{7}=\frac{4}{21}$

(3) $\frac{\overset{1}{\cancel{7}}}{\underset{2}{\cancel{10}}}\times\frac{\overset{1}{\cancel{5}}}{\underset{3}{\cancel{9}}}\times\frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{14}}}=\frac{1}{12}$

(4) $\frac{\overset{1}{\cancel{11}}}{\underset{2}{\cancel{18}}}\times\frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{5}}}\times\frac{\overset{1}{\cancel{15}}}{\underset{2}{\cancel{22}}}=\frac{1}{4}$

(5) $4\times\frac{2}{7}\times\frac{5}{16}=\frac{\overset{1}{\cancel{4}}}{1}\times\frac{\overset{1}{\cancel{2}}}{7}\times\frac{5}{\underset{2}{\cancel{16}}}=\frac{5}{14}$

(6) $\frac{3}{4}\times 2\times 8=\frac{\cancel{3}}{\underset{1}{\cancel{4}}}\times\frac{2}{1}\times\frac{\overset{2}{\cancel{8}}}{1}=\frac{12}{1}=12$

(7) $1\frac{1}{15}\times 2\frac{2}{11}\times 1\frac{3}{8}=\frac{\overset{2}{\cancel{16}}}{\underset{5}{\cancel{15}}}\times\frac{\overset{8}{\cancel{24}}}{\underset{1}{\cancel{11}}}\times\frac{\overset{1}{\cancel{11}}}{\underset{1}{\cancel{8}}}=\frac{16}{5}\left(=3\frac{1}{5}\right)$