分数のかけ算 （帯分数あり）

計算しましょう。

① $1\dfrac{1}{2} \times \dfrac{2}{3} = \dfrac{3 \times 2}{2 \times 3}$

　　　　　　　$= 1$

② $2\dfrac{1}{4} \times \dfrac{1}{3} = \dfrac{9 \times 1}{4 \times 3}$

　　　　　　　$= \dfrac{3}{4}$

③ $1\dfrac{2}{3} \times \dfrac{4}{5} = \dfrac{5 \times 4}{3 \times 5}$

　　　　　　　$= \dfrac{4}{3}\left(1\dfrac{1}{3}\right)$

④ $\dfrac{2}{5} \times 2\dfrac{3}{4} = \dfrac{2 \times 11}{5 \times 4}$

　　　　　　　$= \dfrac{11}{10}\left(1\dfrac{1}{10}\right)$

⑤ $\dfrac{1}{6} \times 3\dfrac{2}{3} = \dfrac{1 \times 11}{6 \times 3}$

　　　　　　　$= \dfrac{11}{18}$

⑥ $2\dfrac{1}{3} \times \dfrac{5}{7} = \dfrac{7 \times 5}{3 \times 7}$

　　　　　　　$= \dfrac{5}{3}\left(1\dfrac{2}{3}\right)$

⑦ $2\dfrac{2}{5} \times \dfrac{4}{9} = \dfrac{12 \times 4}{5 \times 9}$

　　　　　　　$= \dfrac{16}{15}\left(1\dfrac{1}{15}\right)$

⑧ $\dfrac{3}{4} \times 3\dfrac{1}{2} = \dfrac{3 \times 7}{4 \times 2}$

　　　　　　　$= \dfrac{21}{8}\left(2\dfrac{5}{8}\right)$

⑨ $\dfrac{3}{7} \times 4\dfrac{2}{3} = \dfrac{3 \times 14}{7 \times 3}$

　　　　　　　$= 2$

⑩ $3\dfrac{1}{5} \times \dfrac{5}{6} = \dfrac{16 \times 5}{5 \times 6}$

　　　　　　　$= \dfrac{8}{3}\left(2\dfrac{2}{3}\right)$

⑪ $3\dfrac{3}{7} \times \dfrac{7}{8} = \dfrac{24 \times 7}{7 \times 8}$

　　　　　　　$= 3$

⑫ $\dfrac{3}{10} \times 2\dfrac{2}{5} = \dfrac{3 \times 12}{10 \times 5}$

　　　　　　　$= \dfrac{18}{25}$

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計算しましょう。

① $\dfrac{2}{5} \times 1\dfrac{1}{4} = \dfrac{2 \times 5}{5 \times 4}$
$= \dfrac{1}{2}$

② $1\dfrac{1}{3} \times \dfrac{5}{8} = \dfrac{4 \times 5}{3 \times 8}$
$= \dfrac{5}{6}$

③ $2\dfrac{2}{3} \times \dfrac{9}{10} = \dfrac{8 \times 9}{3 \times 10}$
$= \dfrac{12}{5}\left(2\dfrac{2}{5}\right)$

④ $\dfrac{7}{10} \times 1\dfrac{3}{7} = \dfrac{7 \times 10}{10 \times 7}$
$= 1$

⑤ $\dfrac{3}{5} \times 3\dfrac{1}{3} = \dfrac{3 \times 10}{5 \times 3}$
$= 2$

⑥ $2\dfrac{1}{7} \times \dfrac{2}{5} = \dfrac{15 \times 2}{7 \times 5}$
$= \dfrac{6}{7}$

⑦ $1\dfrac{5}{6} \times 1\dfrac{1}{5} = \dfrac{11 \times 6}{6 \times 5}$
$= \dfrac{11}{5}\left(2\dfrac{1}{5}\right)$

⑧ $1\dfrac{3}{8} \times 1\dfrac{2}{3} = \dfrac{11 \times 5}{8 \times 3}$
$= \dfrac{55}{24}\left(2\dfrac{7}{24}\right)$

⑨ $2\dfrac{1}{2} \times 1\dfrac{3}{5} = \dfrac{5 \times 8}{2 \times 5}$
$= 4$

⑩ $1\dfrac{3}{4} \times 3\dfrac{1}{2} = \dfrac{7 \times 7}{4 \times 2}$
$= \dfrac{49}{8}\left(6\dfrac{1}{8}\right)$

⑪ $2\dfrac{2}{15} \times 1\dfrac{1}{8} = \dfrac{32 \times 9}{15 \times 8}$
$= \dfrac{12}{5}\left(2\dfrac{2}{5}\right)$

⑫ $2\dfrac{4}{5} \times 1\dfrac{3}{7} = \dfrac{14 \times 10}{5 \times 7}$
$= 4$

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計算しましょう。

① $\dfrac{3}{4} \times 1\dfrac{5}{6} = \dfrac{3 \times 11}{4 \times 6}$

$= \dfrac{11}{8}\left(1\dfrac{3}{8}\right)$

② $1\dfrac{1}{5} \times \dfrac{2}{7} = \dfrac{6 \times 2}{5 \times 7}$

$= \dfrac{12}{35}$

③ $2\dfrac{2}{3} \times \dfrac{9}{10} = \dfrac{8 \times 9}{3 \times 10}$

$= \dfrac{12}{5}\left(2\dfrac{2}{5}\right)$

④ $\dfrac{2}{5} \times 2\dfrac{3}{4} = \dfrac{2 \times 11}{5 \times 4}$

$= \dfrac{11}{10}\left(1\dfrac{1}{10}\right)$

⑤ $\dfrac{7}{10} \times 1\dfrac{3}{7} = \dfrac{7 \times 10}{10 \times 7}$

$= 1$

⑥ $3\dfrac{1}{2} \times \dfrac{3}{5} = \dfrac{7 \times 3}{2 \times 5}$

$= \dfrac{21}{10}\left(2\dfrac{1}{10}\right)$

⑦ $2\dfrac{1}{4} \times 1\dfrac{1}{5} = \dfrac{9 \times 6}{4 \times 5}$

$= \dfrac{27}{10}\left(2\dfrac{7}{10}\right)$

⑧ $1\dfrac{5}{6} \times 1\dfrac{1}{5} = \dfrac{11 \times 6}{6 \times 5}$

$= \dfrac{11}{5}\left(2\dfrac{1}{5}\right)$

⑨ $2\dfrac{2}{3} \times 1\dfrac{1}{6} = \dfrac{8 \times 7}{3 \times 6}$

$= \dfrac{28}{9}\left(3\dfrac{1}{9}\right)$

⑩ $1\dfrac{1}{5} \times 2\dfrac{1}{4} = \dfrac{6 \times 9}{5 \times 4}$

$= \dfrac{27}{10}\left(2\dfrac{7}{10}\right)$

⑪ $1\dfrac{1}{10} \times 2\dfrac{1}{2} = \dfrac{11 \times 5}{10 \times 2}$

$= \dfrac{11}{4}\left(2\dfrac{3}{4}\right)$

⑫ $2\dfrac{2}{3} \times 2\dfrac{1}{4} = \dfrac{8 \times 9}{3 \times 4}$

$= 6$

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計算しましょう。

① $2\dfrac{2}{3} \times \dfrac{2}{7} = \dfrac{8 \times 2}{3 \times 7}$

$= \dfrac{16}{21}$

② $\dfrac{5}{12} \times 2\dfrac{3}{4} = \dfrac{5 \times 11}{12 \times 4}$

$= \dfrac{55}{48}\left(1\dfrac{7}{48}\right)$

③ $2\dfrac{3}{5} \times \dfrac{1}{13} = \dfrac{13 \times 1}{5 \times 13}$

$= \dfrac{1}{5}$

④ $\dfrac{2}{15} \times 1\dfrac{3}{10} = \dfrac{2 \times 13}{15 \times 10}$

$= \dfrac{13}{75}$

⑤ $2\dfrac{2}{3} \times 1\dfrac{1}{8} = \dfrac{8 \times 9}{3 \times 8}$

$= 3$

⑥ $1\dfrac{4}{5} \times 1\dfrac{2}{9} = \dfrac{9 \times 11}{5 \times 9}$

$= \dfrac{11}{5}\left(2\dfrac{1}{5}\right)$

⑦ $3\dfrac{1}{2} \times 1\dfrac{1}{6} = \dfrac{7 \times 7}{2 \times 6}$

$= \dfrac{49}{12}\left(4\dfrac{1}{12}\right)$

⑧ $1\dfrac{1}{12} \times 1\dfrac{2}{3} = \dfrac{13 \times 5}{12 \times 3}$

$= \dfrac{65}{36}\left(1\dfrac{29}{36}\right)$

⑨ $1\dfrac{1}{4} \times 3 \times \dfrac{2}{5} = \dfrac{5 \times 3 \times 2}{4 \times 1 \times 5}$

$= \dfrac{3}{2}\left(1\dfrac{1}{2}\right)$

⑩ $\dfrac{3}{4} \times 2\dfrac{2}{3} \times 6 = \dfrac{3 \times 8 \times 6}{4 \times 3 \times 1}$

$= 12$

⑪ $3 \times \dfrac{5}{8} \times 2\dfrac{2}{5} = \dfrac{3 \times 5 \times 12}{1 \times 8 \times 5}$

$= \dfrac{9}{2}\left(4\dfrac{1}{2}\right)$

⑫ $1\dfrac{3}{10} \times 5 \times \dfrac{2}{7} = \dfrac{13 \times 5 \times 2}{10 \times 1 \times 7}$

$= \dfrac{13}{7}\left(1\dfrac{6}{7}\right)$

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計算しましょう。

① $\dfrac{5}{6} \times 2\dfrac{3}{5} = \dfrac{5 \times 13}{6 \times 5}$
$= \dfrac{13}{6}\left(2\dfrac{1}{6}\right)$

② $3\dfrac{1}{3} \times \dfrac{5}{8} = \dfrac{10 \times 5}{3 \times 8}$
$= \dfrac{25}{12}\left(2\dfrac{1}{12}\right)$

③ $2\dfrac{1}{4} \times 1\dfrac{1}{2} = \dfrac{9 \times 3}{4 \times 2}$
$= \dfrac{27}{8}\left(3\dfrac{3}{8}\right)$

④ $1\dfrac{5}{6} \times 2\dfrac{1}{2} = \dfrac{11 \times 5}{6 \times 2}$
$= \dfrac{55}{12}\left(4\dfrac{7}{12}\right)$

⑤ $2\dfrac{2}{5} \times 1\dfrac{1}{6} = \dfrac{12 \times 7}{5 \times 6}$
$= \dfrac{14}{5}\left(2\dfrac{4}{5}\right)$

⑥ $3\dfrac{1}{3} \times 2\dfrac{3}{5} = \dfrac{10 \times 13}{3 \times 5}$
$= \dfrac{26}{3}\left(8\dfrac{2}{3}\right)$

⑦ $1\dfrac{2}{5} \times 3 \times \dfrac{5}{9} = \dfrac{7 \times 3 \times 5}{5 \times 1 \times 9}$
$= \dfrac{7}{3}\left(2\dfrac{1}{3}\right)$

⑧ $5 \times 1\dfrac{2}{5} \times 2 = \dfrac{5 \times 7 \times 2}{1 \times 5 \times 1}$
$= 14$

⑨ $1\dfrac{6}{7} \times 5 \times \dfrac{7}{10} = \dfrac{13 \times 5 \times 7}{7 \times 1 \times 10}$
$= \dfrac{13}{2}\left(6\dfrac{1}{2}\right)$

⑩ $10 \times 2\dfrac{2}{3} \times 3 = \dfrac{10 \times 8 \times 3}{1 \times 3 \times 1}$
$= 80$

⑪ $4 \times 2\dfrac{1}{2} \times \dfrac{1}{5} = \dfrac{4 \times 5 \times 1}{1 \times 2 \times 5}$
$= 2$

⑫ $1\dfrac{3}{4} \times 8 \times \dfrac{2}{3} = \dfrac{7 \times 8 \times 2}{4 \times 1 \times 3}$
$= \dfrac{28}{3}\left(9\dfrac{1}{3}\right)$

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① $1\dfrac{1}{2} \times 2\dfrac{1}{3} = \dfrac{3 \times 7}{2 \times 3}$

$= \dfrac{7}{2} \left(3\dfrac{1}{2}\right)$

② $1\dfrac{2}{3} \times 1\dfrac{1}{4} = \dfrac{5 \times 5}{3 \times 4}$

$= \dfrac{25}{12} \left(2\dfrac{1}{12}\right)$

③ $3\dfrac{1}{2} \times 1\dfrac{1}{5} = \dfrac{7 \times 6}{2 \times 5}$

$= \dfrac{21}{5} \left(4\dfrac{1}{5}\right)$

④ $2\dfrac{3}{5} \times 1\dfrac{1}{3} = \dfrac{13 \times 4}{5 \times 3}$

$= \dfrac{52}{15} \left(3\dfrac{7}{15}\right)$

⑤ $2\dfrac{3}{4} \times 2\dfrac{2}{5} = \dfrac{11 \times 12}{4 \times 5}$

$= \dfrac{33}{5} \left(6\dfrac{3}{5}\right)$

⑥ $2\dfrac{2}{7} \times 2\dfrac{4}{5} = \dfrac{16 \times 14}{7 \times 5}$

$= \dfrac{32}{5} \left(6\dfrac{2}{5}\right)$

⑦ $2\dfrac{1}{2} \times 4 \times \dfrac{2}{5} = \dfrac{5 \times 4 \times 2}{2 \times 1 \times 5}$

$= 4$

⑧ $5 \times 2\dfrac{3}{5} \times \dfrac{1}{2} = \dfrac{5 \times 13 \times 1}{1 \times 5 \times 2}$

$= \dfrac{13}{2} \left(6\dfrac{1}{2}\right)$

⑨ $2\dfrac{4}{5} \times 10 \times \dfrac{1}{7} = \dfrac{14 \times 10 \times 1}{5 \times 1 \times 7}$

$= 4$

⑩ $2\dfrac{6}{7} \times 7 \times \dfrac{1}{6} = \dfrac{20 \times 7 \times 1}{7 \times 1 \times 6}$

$= \dfrac{10}{3} \left(3\dfrac{1}{3}\right)$

⑪ $6 \times 1\dfrac{1}{8} \times \dfrac{11}{9} = \dfrac{6 \times 9 \times 11}{1 \times 8 \times 9}$

$= \dfrac{33}{4} \left(8\dfrac{1}{4}\right)$

⑫ $\dfrac{1}{4} \times 7 \times 3\dfrac{2}{7} = \dfrac{1 \times 7 \times 23}{4 \times 1 \times 7}$

$= \dfrac{23}{4} \left(5\dfrac{3}{4}\right)$