

6年 1 解説	分数のかけ算	____年 ____組
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分数に分数をかける計算のしかた

分数に分数をかける計算は、分母どうし、分子どうしをかけて計算します。

$$\frac{B}{A} \times \frac{D}{C} = \frac{B \times D}{A \times C}$$

約分のある分数のかけ算

答えを出してから約分するよりも、計算の途中で約分した方が簡単に計算できます。

$$\text{(例)} \quad \frac{6}{5} \times \frac{5}{12} = \frac{1 \cancel{6} \times 1}{1 \cancel{5} \times 2} = \frac{1}{2}$$

帯分数×帯分数の計算のしかた

$$1\frac{1}{2} \times 1\frac{1}{4} \Rightarrow 1\frac{1}{2} = \frac{3}{2}, 1\frac{1}{4} = \frac{5}{4} \text{ なので、}$$

$$1\frac{1}{2} \times 1\frac{1}{4} = \frac{3}{2} \times \frac{5}{4} = \frac{3 \times 5}{2 \times 4} = \frac{15}{8} \quad (1\frac{7}{8})$$

整数×分数(分数×整数)の計算のしかた

$$2 \times \frac{3}{5} \Rightarrow 2 = \frac{2}{1} \text{ なので、}$$

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

逆数

2つの数の積が1になるとき、一方の数をもう一方の逆数といいます。

$$\cdot \frac{3}{5} \text{ の逆数は } \frac{5}{3} \text{ です。} (\frac{3}{5} \times \frac{5}{3} = 1)$$

$$\cdot \frac{1}{4} \text{ の逆数は } 4 \text{ です。} (\frac{1}{4} \times \frac{4}{1} = 1)$$

分数の逆数は、分母と分子を入れかえた分数になります。

$$\frac{B}{A} \rightleftarrows \frac{A}{B}$$

分数のときも、計算のきまりは成り立つ

①かけ算では、順番を入れかえても、答え(積)は変わりません。

$$\text{(例)} \quad \frac{4}{5} \times \frac{1}{3} \times \frac{5}{4} \Rightarrow (\frac{4}{5} \times \frac{5}{4}) \times \frac{1}{3} = \frac{1}{3}$$

②かけ算の分配法則

$$(A+B) \times C = \underline{A \times C} + \underline{B \times C} \quad / \quad (A-B) \times C = \underline{A \times C} - \underline{B \times C}$$

$$\text{(例)} \quad \frac{3}{7} \times \frac{5}{6} + \frac{4}{7} \times \frac{5}{6} \Rightarrow (\frac{3}{7} + \frac{4}{7}) \times \frac{5}{6} \Rightarrow 1 \times \frac{5}{6} = \frac{5}{6}$$

$$(\frac{3}{4} + \frac{2}{5}) \times 20 \Rightarrow \frac{3}{4} \times 20 + \frac{2}{5} \times 20 \Rightarrow \frac{3 \times 20}{4} + \frac{2 \times 20}{5} = 15 + 8 = 23$$

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1 かけ算をしましょう。

① $\frac{1}{2} \times \frac{3}{4}$

② $\frac{2}{3} \times \frac{4}{5}$

③ $\frac{4}{7} \times \frac{1}{3}$

④ $\frac{3}{5} \times \frac{7}{8}$

⑤ $\frac{4}{9} \times \frac{2}{3}$

⑥ $\frac{1}{3} \times \frac{5}{4}$

⑦ $\frac{5}{6} \times \frac{5}{3}$

⑧ $\frac{3}{5} \times \frac{3}{2}$

⑨ $\frac{5}{7} \times \frac{3}{2}$

⑩ $\frac{8}{9} \times \frac{4}{3}$

⑪ $\frac{5}{4} \times \frac{1}{6}$

⑫ $\frac{4}{3} \times \frac{2}{5}$

⑬ $\frac{7}{6} \times \frac{5}{8}$

⑭ $\frac{5}{2} \times \frac{3}{7}$

⑮ $\frac{7}{8} \times \frac{7}{6}$

⑯ $\frac{3}{2} \times \frac{7}{5}$

⑰ $\frac{5}{4} \times \frac{9}{8}$

⑱ $\frac{8}{5} \times \frac{7}{9}$

⑲ $\frac{9}{5} \times \frac{8}{7}$

⑳ $\frac{10}{9} \times \frac{4}{3}$

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1 かけ算をしましょう。

① $\frac{3}{4} \times \frac{1}{3}$

② $\frac{5}{8} \times \frac{3}{10}$

③ $\frac{4}{9} \times \frac{1}{12}$

④ $\frac{1}{4} \times \frac{6}{7}$

⑤ $\frac{5}{12} \times \frac{4}{9}$

⑥ $\frac{7}{6} \times \frac{9}{2}$

⑦ $\frac{5}{4} \times \frac{4}{7}$

⑧ $\frac{7}{10} \times \frac{8}{9}$

⑨ $\frac{6}{11} \times \frac{3}{2}$

⑩ $\frac{8}{7} \times \frac{5}{16}$

⑪ $\frac{3}{4} \times \frac{8}{9}$

⑫ $\frac{5}{8} \times \frac{2}{5}$

⑬ $\frac{4}{9} \times \frac{3}{2}$

⑭ $\frac{6}{5} \times \frac{5}{12}$

⑮ $\frac{10}{21} \times \frac{9}{16}$

⑯ $\frac{9}{14} \times \frac{7}{18}$

⑰ $\frac{6}{5} \times \frac{15}{8}$

⑱ $\frac{15}{14} \times \frac{7}{24}$

⑲ $\frac{22}{9} \times \frac{18}{11}$

⑳ $\frac{25}{18} \times \frac{27}{10}$

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1 かけ算をしましょう。

① $2 \times \frac{2}{5}$

② $5 \times \frac{4}{7}$

③ $8 \times \frac{2}{3}$

④ $7 \times \frac{4}{5}$

⑤ $4 \times \frac{1}{2}$

⑥ $6 \times \frac{9}{8}$

⑦ $12 \times \frac{8}{15}$

⑧ $6 \times \frac{11}{10}$

⑨ $9 \times \frac{7}{6}$

⑩ $18 \times \frac{4}{3}$

⑪ $\frac{1}{7} \times 4$

⑫ $\frac{4}{5} \times 6$

⑬ $\frac{5}{4} \times 3$

⑭ $\frac{5}{6} \times 2$

⑮ $\frac{2}{9} \times 6$

⑯ $\frac{5}{8} \times 4$

⑰ $\frac{9}{2} \times 10$

⑱ $\frac{8}{15} \times 5$

⑲ $\frac{7}{12} \times 10$

⑳ $\frac{5}{18} \times 6$

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1 かけ算をしましょう。

① $1\frac{1}{3} \times \frac{7}{9}$

② $3\frac{5}{6} \times \frac{1}{4}$

③ $2\frac{4}{7} \times \frac{5}{6}$

④ $4\frac{3}{8} \times \frac{3}{7}$

⑤ $3\frac{3}{4} \times \frac{3}{5}$

⑥ $\frac{8}{15} \times 1\frac{1}{4}$

⑦ $\frac{5}{9} \times 3\frac{3}{5}$

⑧ $1\frac{1}{4} \times 1\frac{2}{3}$

⑨ $2\frac{7}{10} \times 1\frac{1}{3}$

⑩ $4\frac{1}{2} \times 3\frac{1}{3}$

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1 くふうして計算をしましょう。

① $\frac{2}{3} \times \frac{1}{2} \times \frac{6}{7}$

② $\frac{5}{6} \times \frac{3}{7} \times \frac{14}{15}$

③ $1\frac{3}{4} \times 8 \times \frac{5}{14}$

④ $\frac{5}{11} \times 3\frac{1}{7} \times \frac{14}{5}$

⑤ $(\frac{7}{8} \times \frac{5}{6}) \times \frac{8}{7}$

⑥ $(\frac{1}{2} + \frac{2}{3}) \times 6$

⑦ $(\frac{3}{4} + \frac{2}{5}) \times 20$

⑧ $(\frac{5}{7} \times \frac{5}{9}) \times \frac{9}{5}$

⑨ $\frac{3}{7} \times \frac{5}{6} + \frac{4}{7} \times \frac{5}{6}$

⑩ $\frac{2}{5} \times \frac{1}{4} + \frac{2}{5} \times \frac{3}{4}$

2 次の数の逆数を求めましょう。

① $\frac{3}{5}$ ()

② $\frac{9}{2}$ ()

③ $\frac{11}{3}$ ()

④ $\frac{1}{8}$ ()

⑤ $1\frac{3}{4}$ ()

⑥ $2\frac{2}{3}$ ()

⑦ 3 ()

⑧ 8 ()

⑨ 0.3 ()

⑩ 0.7 ()

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1 かけ算をしましょう。

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

$$\textcircled{2} \quad \frac{2}{3} \times \frac{4}{5} = \frac{2 \times 4}{3 \times 5} = \frac{8}{15}$$

$$\textcircled{3} \quad \frac{4}{7} \times \frac{1}{3} = \frac{4 \times 1}{7 \times 3} = \frac{4}{21}$$

$$\textcircled{4} \quad \frac{3}{5} \times \frac{7}{8} = \frac{3 \times 7}{5 \times 8} = \frac{21}{40}$$

$$\textcircled{5} \quad \frac{4}{9} \times \frac{2}{3} = \frac{4 \times 2}{9 \times 3} = \frac{8}{27}$$

$$\textcircled{6} \quad \frac{1}{3} \times \frac{5}{4} = \frac{1 \times 5}{3 \times 4} = \frac{5}{12}$$

$$\textcircled{7} \quad \frac{5}{6} \times \frac{5}{3} = \frac{5 \times 5}{6 \times 3} = \frac{25}{18} \left(1 \frac{7}{18}\right)$$

$$\textcircled{8} \quad \frac{3}{5} \times \frac{3}{2} = \frac{3 \times 3}{5 \times 2} = \frac{9}{10}$$

$$\textcircled{9} \quad \frac{5}{7} \times \frac{3}{2} = \frac{5 \times 3}{7 \times 2} = \frac{15}{14} \left(1 \frac{1}{14}\right)$$

$$\textcircled{10} \quad \frac{8}{9} \times \frac{4}{3} = \frac{8 \times 4}{9 \times 3} = \frac{32}{27} \left(1 \frac{5}{27}\right)$$

$$\textcircled{11} \quad \frac{5}{4} \times \frac{1}{6} = \frac{5 \times 1}{4 \times 6} = \frac{5}{24}$$

$$\textcircled{12} \quad \frac{4}{3} \times \frac{2}{5} = \frac{4 \times 2}{3 \times 5} = \frac{8}{15}$$

$$\textcircled{13} \quad \frac{7}{6} \times \frac{5}{8} = \frac{7 \times 5}{6 \times 8} = \frac{35}{48}$$

$$\textcircled{14} \quad \frac{5}{2} \times \frac{3}{7} = \frac{5 \times 3}{2 \times 7} = \frac{15}{14} \left(1 \frac{1}{14}\right)$$

$$\textcircled{15} \quad \frac{7}{8} \times \frac{7}{6} = \frac{7 \times 7}{8 \times 6} = \frac{49}{48} \left(1 \frac{1}{48}\right)$$

$$\textcircled{16} \quad \frac{3}{2} \times \frac{7}{5} = \frac{3 \times 7}{2 \times 5} = \frac{21}{10} \left(2 \frac{1}{10}\right)$$

$$\textcircled{17} \quad \frac{5}{4} \times \frac{9}{8} = \frac{5 \times 9}{4 \times 8} = \frac{45}{32} \left(1 \frac{13}{32}\right)$$

$$\textcircled{18} \quad \frac{8}{5} \times \frac{7}{9} = \frac{8 \times 7}{5 \times 9} = \frac{56}{45} \left(1 \frac{11}{45}\right)$$

$$\textcircled{19} \quad \frac{9}{5} \times \frac{8}{7} = \frac{9 \times 8}{5 \times 7} = \frac{72}{35} \left(2 \frac{2}{35}\right)$$

$$\textcircled{20} \quad \frac{10}{9} \times \frac{4}{3} = \frac{10 \times 4}{9 \times 3} = \frac{40}{27} \left(1 \frac{13}{27}\right)$$

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途中で約分をして、計算をしましょう。

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

$$\textcircled{2} \quad \frac{5}{8} \times \frac{3}{10} = \frac{\boxed{5} \times 3}{8 \times \boxed{10}} = \frac{1 \times 3}{8 \times 2} = \frac{3}{16}$$

$$\textcircled{3} \quad \frac{4}{9} \times \frac{1}{12} = \frac{\boxed{4} \times 1}{9 \times \boxed{12}} = \frac{1 \times 1}{9 \times 3} = \frac{1}{27}$$

$$\textcircled{4} \quad \frac{1}{4} \times \frac{6}{7} = \frac{1 \times \boxed{6}}{\boxed{4} \times 7} = \frac{1 \times 3}{2 \times 7} = \frac{3}{14}$$

$$\textcircled{5} \quad \frac{5}{12} \times \frac{4}{9} = \frac{5 \times \boxed{4}}{\boxed{12} \times 9} = \frac{5 \times 1}{3 \times 9} = \frac{5}{27}$$

$$\textcircled{6} \quad \frac{7}{6} \times \frac{9}{2} = \frac{7 \times \boxed{9}}{\boxed{6} \times 2} = \frac{7 \times 3}{2 \times 2} = \frac{21}{4} \quad (5\frac{1}{4})$$

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

$$\textcircled{8} \quad \frac{7}{10} \times \frac{8}{9} = \frac{7 \times \boxed{8}}{\boxed{10} \times 9} = \frac{7 \times 4}{5 \times 9} = \frac{28}{45}$$

$$\textcircled{9} \quad \frac{6}{11} \times \frac{3}{2} = \frac{\boxed{6} \times 3}{11 \times \boxed{2}} = \frac{3 \times 3}{11 \times 1} = \frac{9}{11}$$

$$\textcircled{10} \quad \frac{8}{7} \times \frac{5}{16} = \frac{\boxed{8} \times 5}{7 \times \boxed{16}} = \frac{1 \times 5}{7 \times 2} = \frac{5}{14}$$

$$\textcircled{11} \quad \frac{3}{4} \times \frac{8}{9} = \frac{\boxed{3} \times \boxed{8}}{\boxed{4} \times 9} = \frac{1 \times 2}{1 \times 3} = \frac{2}{3}$$

$$\textcircled{12} \quad \frac{5}{8} \times \frac{2}{5} = \frac{5 \times \boxed{2}}{\boxed{8} \times \boxed{5}} = \frac{1 \times 1}{4 \times 1} = \frac{1}{4}$$

$$\textcircled{13} \quad \frac{4}{9} \times \frac{3}{2} = \frac{\boxed{4} \times \boxed{3}}{\boxed{9} \times 2} = \frac{2 \times 1}{3 \times 1} = \frac{2}{3}$$

$$\textcircled{14} \quad \frac{6}{5} \times \frac{5}{12} = \frac{\boxed{6} \times \boxed{5}}{\boxed{5} \times \boxed{12}} = \frac{1 \times 1}{1 \times 2} = \frac{1}{2}$$

$$\textcircled{15} \quad \frac{10}{21} \times \frac{9}{16} = \frac{\boxed{10} \times \boxed{9}}{\boxed{21} \times \boxed{16}} = \frac{5 \times 3}{7 \times 8} = \frac{15}{56}$$

$$\textcircled{16} \quad \frac{9}{14} \times \frac{7}{18} = \frac{\boxed{9} \times \boxed{7}}{\boxed{14} \times \boxed{18}} = \frac{1 \times 1}{2 \times 2} = \frac{1}{4}$$

$$\textcircled{17} \quad \frac{6}{5} \times \frac{15}{8} = \frac{\boxed{6} \times \boxed{15}}{\boxed{5} \times \boxed{8}} = \frac{3 \times 3}{1 \times 4} = \frac{9}{4} \quad (2\frac{1}{4})$$

$$\textcircled{18} \quad \frac{15}{14} \times \frac{7}{24} = \frac{\boxed{15} \times \boxed{7}}{\boxed{14} \times \boxed{24}} = \frac{5 \times 1}{2 \times 8} = \frac{5}{16}$$

$$\textcircled{19} \quad \frac{22}{9} \times \frac{18}{11} = \frac{\boxed{22} \times \boxed{18}}{\boxed{9} \times \boxed{11}} = \frac{2 \times 2}{1 \times 1} = 4$$

$$\textcircled{20} \quad \frac{25}{18} \times \frac{27}{10} = \frac{\boxed{25} \times \boxed{27}}{\boxed{18} \times \boxed{10}} = \frac{5 \times 3}{2 \times 2} = \frac{15}{4}$$

$(3\frac{3}{4})$

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途中で約分ができる場合は、約分をして計算しましょう。

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

$$\textcircled{2} 5 \times \frac{4}{7} = \frac{5 \times 4}{1 \times 7} = \frac{20}{7} \left(2 \frac{6}{7}\right)$$

$$\textcircled{3} 8 \times \frac{2}{3} = \frac{8 \times 2}{1 \times 3} = \frac{16}{3} \left(5 \frac{1}{3}\right)$$

$$\textcircled{4} 7 \times \frac{4}{5} = \frac{7 \times 4}{1 \times 5} = \frac{28}{5} \left(5 \frac{3}{5}\right)$$

$$\textcircled{5} 4 \times \frac{1}{2} = \frac{\boxed{4} \times 1}{1 \times \boxed{2}} = \frac{2 \times 1}{1 \times 1} = 2$$

$$\textcircled{6} 6 \times \frac{9}{8} = \frac{\boxed{6} \times 9}{1 \times \boxed{8}} = \frac{3 \times 9}{1 \times 4} = \frac{27}{4} \left(6 \frac{3}{4}\right)$$

$$\textcircled{7} 12 \times \frac{8}{15} = \frac{\boxed{12} \times 8}{1 \times \boxed{15}} = \frac{4 \times 8}{1 \times 5} = \frac{32}{5} \left(6 \frac{2}{5}\right)$$

$$\textcircled{8} 6 \times \frac{11}{10} = \frac{\boxed{6} \times 11}{1 \times \boxed{10}} = \frac{3 \times 11}{1 \times 5} = \frac{33}{5} \left(6 \frac{3}{5}\right)$$

$$\textcircled{9} 9 \times \frac{7}{6} = \frac{\boxed{9} \times 7}{1 \times \boxed{6}} = \frac{3 \times 7}{1 \times 2} = \frac{21}{2} \left(10 \frac{1}{2}\right)$$

$$\textcircled{10} 18 \times \frac{4}{3} = \frac{\boxed{18} \times 4}{1 \times \boxed{3}} = \frac{6 \times 4}{1 \times 1} = 24$$

$$\textcircled{11} \frac{1}{7} \times 4 = \frac{1 \times 4}{7 \times 1} = \frac{4}{7}$$

$$\textcircled{12} \frac{4}{5} \times 6 = \frac{4 \times 6}{5 \times 1} = \frac{24}{5} \left(4 \frac{4}{5}\right)$$

$$\textcircled{13} \frac{5}{4} \times 3 = \frac{5 \times 3}{4 \times 1} = \frac{15}{4} \left(3 \frac{3}{4}\right)$$

$$\textcircled{14} \frac{5}{6} \times 2 = \frac{\boxed{5} \times \boxed{2}}{\boxed{6} \times 1} = \frac{5 \times 1}{3 \times 1} = \frac{5}{3} \left(1 \frac{2}{3}\right)$$

$$\textcircled{15} \frac{2}{9} \times 6 = \frac{\boxed{2} \times \boxed{6}}{\boxed{9} \times 1} = \frac{2 \times 2}{3 \times 1} = \frac{4}{3} \left(1 \frac{1}{3}\right)$$

$$\textcircled{16} \frac{5}{8} \times 4 = \frac{\boxed{5} \times \boxed{4}}{\boxed{8} \times 1} = \frac{5 \times 1}{2 \times 1} = \frac{5}{2} \left(2 \frac{1}{2}\right)$$

$$\textcircled{17} \frac{9}{2} \times 10 = \frac{\boxed{9} \times \boxed{10}}{\boxed{2} \times 1} = \frac{9 \times 5}{1 \times 1} = 45$$

$$\textcircled{18} \frac{8}{15} \times 5 = \frac{\boxed{8} \times \boxed{5}}{\boxed{15} \times 1} = \frac{8 \times 1}{3 \times 1} = \frac{8}{3} \left(2 \frac{2}{3}\right)$$

$$\textcircled{19} \frac{7}{12} \times 10 = \frac{\boxed{7} \times \boxed{10}}{\boxed{12} \times 1} = \frac{7 \times 5}{6 \times 1} = \frac{35}{6} \left(5 \frac{5}{6}\right)$$

$$\textcircled{20} \frac{5}{18} \times 6 = \frac{\boxed{5} \times \boxed{6}}{\boxed{18} \times 1} = \frac{5 \times 1}{3 \times 1} = \frac{5}{3} \left(1 \frac{2}{3}\right)$$

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途中で約分ができる場合は、約分をして計算しましょう。

$$\begin{aligned} \textcircled{1} \quad 1\frac{1}{3} \times \frac{7}{9} &= \frac{4 \times 7}{3 \times 9} \\ &= \frac{28}{27} \left(1\frac{1}{27}\right) \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 3\frac{5}{6} \times \frac{1}{4} &= \frac{23 \times 1}{6 \times 4} \\ &= \frac{23}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 2\frac{4}{7} \times \frac{5}{6} &= \frac{18 \times 5}{7 \times 6} \\ &= \frac{3 \times 5}{7 \times 1} \\ &= \frac{15}{7} \left(2\frac{1}{7}\right) \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 4\frac{3}{8} \times \frac{3}{7} &= \frac{35 \times 3}{8 \times 7} \\ &= \frac{5 \times 3}{8 \times 1} \\ &= \frac{15}{8} \left(1\frac{7}{8}\right) \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 3\frac{3}{4} \times \frac{3}{5} &= \frac{15 \times 3}{4 \times 5} \\ &= \frac{3 \times 3}{4 \times 1} \\ &= \frac{9}{4} \left(2\frac{1}{4}\right) \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{8}{15} \times 1\frac{1}{4} &= \frac{8 \times 5}{15 \times 4} \\ &= \frac{2 \times 1}{3 \times 1} \\ &= \frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{5}{9} \times 3\frac{3}{5} &= \frac{5 \times 18}{9 \times 5} \\ &= \frac{1 \times 2}{1 \times 1} \\ &= 2 \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 1\frac{1}{4} \times 1\frac{2}{3} &= \frac{5 \times 5}{4 \times 3} \\ &= \frac{25}{12} \left(2\frac{1}{12}\right) \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 2\frac{7}{10} \times 1\frac{1}{3} &= \frac{27 \times 4}{10 \times 3} \\ &= \frac{9 \times 2}{5 \times 1} \\ &= \frac{18}{5} \left(3\frac{3}{5}\right) \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 4\frac{1}{2} \times 3\frac{1}{3} &= \frac{9 \times 10}{2 \times 3} \\ &= \frac{3 \times 5}{1 \times 1} \\ &= 15 \end{aligned}$$

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名前

1 くふうして計算をしましょう。

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

$$\textcircled{2} \frac{5}{6} \times \frac{3}{7} \times \frac{14}{15} = \frac{5 \times 3 \times 14}{6 \times 7 \times 15} = \frac{1}{3}$$

$$\textcircled{3} 1\frac{3}{4} \times 8 \times \frac{5}{14} = \frac{7 \times 8 \times 5}{4 \times 1 \times 14} = 5$$

$$\textcircled{4} \frac{5}{11} \times 3\frac{1}{7} \times \frac{14}{5} = \frac{5 \times 22 \times 14}{11 \times 7 \times 5} = 4$$

$$\textcircled{5} \left(\frac{7}{8} \times \frac{5}{6}\right) \times \frac{8}{7} = \frac{5}{6} \times \left(\frac{7}{8} \times \frac{8}{7}\right) = \frac{5}{6}$$

$$\textcircled{6} \left(\frac{1}{2} + \frac{2}{3}\right) \times 6 = \frac{1}{2} \times 6 + \frac{2}{3} \times 6 = 7$$

$$\textcircled{7} \left(\frac{3}{4} + \frac{2}{5}\right) \times 20 = \frac{3}{4} \times 20 + \frac{2}{5} \times 20 = 23$$

$$\textcircled{8} \left(\frac{5}{7} \times \frac{5}{9}\right) \times \frac{9}{5} = \frac{5}{7} \times \left(\frac{5}{9} \times \frac{9}{5}\right) = \frac{5}{7}$$

$$\textcircled{9} \frac{3}{7} \times \frac{5}{6} + \frac{4}{7} \times \frac{5}{6} = \left(\frac{3}{7} + \frac{4}{7}\right) \times \frac{5}{6} = \frac{5}{6}$$

$$\textcircled{10} \frac{2}{5} \times \frac{1}{4} + \frac{2}{5} \times \frac{3}{4} = \left(\frac{1}{4} + \frac{3}{4}\right) \times \frac{2}{5} = \frac{2}{5}$$

2 次の数の逆数を求めましょう。

$$\textcircled{1} \frac{3}{5} \quad \left(\frac{5}{3} \right)$$

※真分数や仮分数の逆数は、分子と分母を入れかえた数になります。

$$\textcircled{2} \frac{9}{2} \quad \left(\frac{2}{9} \right)$$

$$\textcircled{3} \frac{11}{3} \quad \left(\frac{3}{11} \right)$$

$$\textcircled{4} \frac{1}{8} \quad \left(8 \right)$$

$$\textcircled{5} 1\frac{3}{4} \quad \left(\frac{4}{7} \right)$$

$1\frac{3}{4} = \frac{7}{4}$ なので、逆数は $\frac{4}{7}$

$$\textcircled{6} 2\frac{2}{3} \quad \left(\frac{3}{8} \right)$$

$$\textcircled{7} 3 \quad \left(\frac{1}{3} \right)$$

$3 = \frac{3}{1}$ なので、逆数は $\frac{1}{3}$

$$\textcircled{8} 8 \quad \left(\frac{1}{8} \right)$$

$$\textcircled{9} 0.3 \quad \left(\frac{10}{3} \right)$$

$0.3 = \frac{3}{10}$ なので、逆数は $\frac{10}{3}$

$$\textcircled{10} 0.7 \quad \left(\frac{10}{7} \right)$$