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ABCDE

通分しましょう。

例 $\left(\frac{2}{3}, \frac{3}{4}\right) = \left(\frac{8}{12}, \frac{9}{12}\right)$
 $\left(3\frac{2}{3}, 2\frac{3}{4}\right) = \left(3\frac{8}{12}, 2\frac{9}{12}\right)$

(1) $\left(\frac{1}{2}, \frac{2}{3}\right) = \left(\frac{\mathbf{3}}{\mathbf{6}}, \frac{\mathbf{4}}{\mathbf{6}}\right)$

(2) $\left(\frac{1}{4}, \frac{3}{5}\right) = \left(\frac{\mathbf{5}}{\mathbf{20}}, \frac{\mathbf{12}}{\mathbf{20}}\right)$

(3) $\left(1\frac{5}{7}, 3\frac{2}{3}\right) = \left(\mathbf{1}\frac{\mathbf{15}}{\mathbf{21}}, \mathbf{3}\frac{\mathbf{14}}{\mathbf{21}}\right)$

例 $\left(\frac{5}{6}, \frac{3}{8}\right) = \left(\frac{20}{24}, \frac{9}{24}\right)$

6と8の最小公倍数は

$$\begin{array}{r} 2) \ 6, 8 \\ \quad 3 \ 4 \end{array}$$

$2 \times 3 \times 4 = 24$

(1) $\left(\frac{1}{4}, \frac{7}{10}\right) = \left(\frac{\mathbf{5}}{\mathbf{20}}, \frac{\mathbf{14}}{\mathbf{20}}\right)$

(2) $\left(\frac{5}{6}, \frac{5}{12}\right) = \left(\frac{\mathbf{10}}{\mathbf{12}}, \frac{\mathbf{5}}{\mathbf{12}}\right)$

(3) $\left(\frac{9}{14}, \frac{7}{8}\right) = \left(\frac{\mathbf{36}}{\mathbf{56}}, \frac{\mathbf{49}}{\mathbf{56}}\right)$

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$$\text{例} \quad \left(\frac{5}{6}, \frac{1}{4}, \frac{2}{5} \right) = \left(\frac{50}{60}, \frac{15}{60}, \frac{24}{60} \right)$$

6 と 4 の最小公倍数は、12
12 と 5 の最小公倍数は、60

$$(1) \quad \left(\frac{1}{5}, \frac{1}{2} \right) = \left(\frac{\mathbf{2}}{\mathbf{10}}, \frac{\mathbf{5}}{\mathbf{10}} \right)$$

$$(2) \quad \left(\frac{7}{9}, \frac{2}{3} \right) = \left(\frac{\mathbf{7}}{\mathbf{9}}, \frac{\mathbf{6}}{\mathbf{9}} \right)$$

$$(3) \quad \left(\frac{5}{12}, \frac{8}{15} \right) = \left(\frac{\mathbf{25}}{\mathbf{60}}, \frac{\mathbf{32}}{\mathbf{60}} \right)$$

$$(4) \quad \left(\frac{3}{14}, \frac{7}{21} \right) = \left(\frac{\mathbf{9}}{\mathbf{42}}, \frac{\mathbf{14}}{\mathbf{42}} \right)$$

$$(5) \quad \left(\frac{2}{5}, \frac{5}{8}, \frac{1}{2} \right) = \left(\frac{\mathbf{16}}{\mathbf{40}}, \frac{\mathbf{25}}{\mathbf{40}}, \frac{\mathbf{20}}{\mathbf{40}} \right)$$

$$(6) \quad \left(\frac{9}{10}, \frac{1}{4}, \frac{2}{3} \right) = \left(\frac{\mathbf{54}}{\mathbf{60}}, \frac{\mathbf{15}}{\mathbf{60}}, \frac{\mathbf{40}}{\mathbf{60}} \right)$$

$$(7) \quad \left(\frac{5}{6}, \frac{4}{7}, \frac{8}{21} \right) = \left(\frac{\mathbf{35}}{\mathbf{42}}, \frac{\mathbf{24}}{\mathbf{42}}, \frac{\mathbf{16}}{\mathbf{42}} \right)$$

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たし算をしましょう。

例

$$\frac{3}{8} + \frac{1}{4} = \frac{3}{8} + \frac{2}{8} = \frac{5}{8}$$

$$(1) \quad \frac{2}{3} + \frac{1}{4} = \frac{\mathbf{8}}{\mathbf{12}} + \frac{\mathbf{3}}{\mathbf{12}} = \frac{\mathbf{11}}{\mathbf{12}}$$

$$(2) \quad \frac{3}{5} + \frac{1}{3} = \frac{\mathbf{9}}{\mathbf{15}} + \frac{\mathbf{5}}{\mathbf{15}} = \frac{\mathbf{14}}{\mathbf{15}}$$

$$(3) \quad \frac{1}{8} + \frac{3}{4} = \frac{\mathbf{1}}{\mathbf{8}} + \frac{\mathbf{6}}{\mathbf{8}} = \frac{\mathbf{7}}{\mathbf{8}}$$

$$(4) \quad \frac{4}{9} + \frac{1}{3} = \frac{\mathbf{4}}{\mathbf{9}} + \frac{\mathbf{3}}{\mathbf{9}} = \frac{\mathbf{7}}{\mathbf{9}}$$

$$(5) \quad \frac{1}{2} + \frac{1}{8} = \frac{\mathbf{4}}{\mathbf{8}} + \frac{\mathbf{1}}{\mathbf{8}} = \frac{\mathbf{5}}{\mathbf{8}}$$

$$(6) \quad \frac{1}{6} + \frac{2}{3} = \frac{\mathbf{1}}{\mathbf{6}} + \frac{\mathbf{4}}{\mathbf{6}} = \frac{\mathbf{5}}{\mathbf{6}}$$

$$(7) \quad \frac{2}{5} + \frac{3}{10} = \frac{\mathbf{4}}{\mathbf{10}} + \frac{\mathbf{3}}{\mathbf{10}} = \frac{\mathbf{7}}{\mathbf{10}}$$

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ABCDE

たし算をしましょう。

$$(1) \quad \frac{1}{4} + \frac{1}{6} = \frac{\mathbf{3}}{\mathbf{12}} + \frac{\mathbf{2}}{\mathbf{12}} = \frac{\mathbf{5}}{\mathbf{12}}$$

$$(2) \quad \frac{1}{6} + \frac{4}{15} = \frac{\mathbf{5}}{\mathbf{30}} + \frac{\mathbf{8}}{\mathbf{30}} = \frac{\mathbf{13}}{\mathbf{30}}$$

$$(3) \quad \frac{3}{10} + \frac{1}{8} = \frac{\mathbf{12}}{\mathbf{40}} + \frac{\mathbf{5}}{\mathbf{40}} = \frac{\mathbf{17}}{\mathbf{40}}$$

$$(4) \quad \frac{3}{8} + \frac{1}{6} = \frac{\mathbf{9}}{\mathbf{24}} + \frac{\mathbf{4}}{\mathbf{24}} = \frac{\mathbf{13}}{\mathbf{24}}$$

$$(5) \quad \frac{3}{10} + \frac{1}{4} = \frac{\mathbf{6}}{\mathbf{20}} + \frac{\mathbf{5}}{\mathbf{20}} = \frac{\mathbf{11}}{\mathbf{20}}$$

$$(6) \quad \frac{1}{9} + \frac{7}{12} = \frac{\mathbf{4}}{\mathbf{36}} + \frac{\mathbf{21}}{\mathbf{36}} = \frac{\mathbf{25}}{\mathbf{36}}$$

$$(7) \quad \frac{1}{4} + \frac{1}{14} = \frac{\mathbf{7}}{\mathbf{28}} + \frac{\mathbf{2}}{\mathbf{28}} = \frac{\mathbf{9}}{\mathbf{28}}$$

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ABCDE たし算をしましょう。仮分数は帯分数にしましょう。

例 $\frac{5}{8} + \frac{3}{4} = \frac{5}{8} + \frac{6}{8} = \frac{11}{8} = 1\frac{3}{8}$

(1) $\frac{2}{3} + \frac{3}{5} = \frac{10}{15} + \frac{9}{15} = \frac{19}{15} = 1\frac{4}{15}$

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

(3) $\frac{5}{6} + \frac{8}{15} = \frac{25}{30} + \frac{16}{30} = \frac{41}{30} = 1\frac{11}{30}$

(4) $\frac{3}{4} + \frac{5}{6} = \frac{9}{12} + \frac{10}{12} = \frac{19}{12} = 1\frac{7}{12}$

(5) $\frac{11}{12} + \frac{7}{9} = \frac{33}{36} + \frac{28}{36} = \frac{61}{36} = 1\frac{25}{36}$

(6) $\frac{3}{4} + \frac{9}{14} = \frac{21}{28} + \frac{18}{28} = \frac{39}{28} = 1\frac{11}{28}$

(7) $\frac{9}{10} + \frac{7}{8} = \frac{36}{40} + \frac{35}{40} = \frac{71}{40} = 1\frac{31}{40}$

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ABCDE

約分をしましょう。

例

$$\frac{10}{15} = \frac{2}{3}$$

10 と 15 の最大公約数 5 で、
分母と分子をわる。

$$(1) \quad \frac{6}{12} = \frac{1}{2}$$

$$(8) \quad \frac{3}{18} = \frac{1}{6}$$

$$(2) \quad \frac{14}{49} = \frac{2}{7}$$

$$(8) \quad \frac{25}{40} = \frac{5}{8}$$

$$(3) \quad \frac{21}{28} = \frac{3}{4}$$

$$(10) \quad \frac{3}{18} = \frac{1}{6}$$

$$(4) \quad \frac{12}{27} = \frac{4}{9}$$

$$(11) \quad \frac{14}{24} = \frac{7}{12}$$

$$(5) \quad \frac{5}{10} = \frac{1}{2}$$

$$(12) \quad \frac{30}{65} = \frac{6}{13}$$

$$(6) \quad \frac{15}{20} = \frac{3}{4}$$

$$(13) \quad \frac{7}{21} = \frac{1}{3}$$

$$(7) \quad \frac{2}{12} = \frac{1}{6}$$

$$(14) \quad \frac{2}{8} = \frac{1}{4}$$

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ABCDE たし算をしましょう。仮分数は帯分数にしましょう。

例 $\frac{5}{6} + \frac{1}{10} = \frac{25}{30} + \frac{3}{30} = \frac{28}{30} = \frac{14}{15}$

(1) $\frac{2}{4} + \frac{1}{3} = \frac{6}{12} + \frac{4}{12} = \frac{10}{12} = \frac{5}{6}$

(2) $\frac{1}{12} + \frac{1}{28} = \frac{7}{84} + \frac{3}{84} = \frac{10}{84} = \frac{5}{42}$

(3) $\frac{3}{5} + \frac{11}{15} = \frac{9}{15} + \frac{11}{15} = \frac{20}{15} = \frac{4}{3} = 1\frac{1}{3}$

(4) $\frac{9}{14} + \frac{16}{35} = \frac{45}{70} + \frac{32}{70} = \frac{77}{70} = \frac{11}{10} = 1\frac{1}{10}$

(5) $\frac{11}{14} + \frac{13}{28} = \frac{22}{28} + \frac{13}{28} = \frac{35}{28} = \frac{5}{4} = 1\frac{1}{4}$

(6) $\frac{13}{18} + \frac{7}{30} = \frac{65}{90} + \frac{21}{90} = \frac{86}{90} = \frac{43}{45}$

(7) $\frac{3}{14} + \frac{20}{21} = \frac{9}{42} + \frac{40}{42} = \frac{49}{42} = \frac{7}{6} = 1\frac{1}{6}$

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ABCDE たし算をしましょう。仮分数は帯分数にしましょう。

例 $\frac{1}{3} + \frac{5}{6} + \frac{3}{10} = \frac{10}{30} + \frac{25}{30} + \frac{9}{30} = \frac{44}{30} = \frac{22}{15} = 1\frac{7}{15}$

(1) $\frac{1}{2} + \frac{1}{3} + \frac{1}{7} = \frac{21}{42} + \frac{14}{42} + \frac{6}{42} = \frac{41}{42}$

(2) $\frac{1}{5} + \frac{1}{7} + \frac{1}{2} = \frac{14}{70} + \frac{10}{70} + \frac{35}{70} = \frac{59}{70}$

(3) $\frac{1}{3} + \frac{1}{5} + \frac{1}{4} = \frac{20}{60} + \frac{12}{60} + \frac{15}{60} = \frac{47}{60}$

(4) $\frac{4}{5} + \frac{1}{2} + \frac{2}{3} = \frac{24}{30} + \frac{15}{30} + \frac{20}{30} = \frac{59}{30} = 1\frac{29}{30}$

(5) $\frac{1}{2} + \frac{2}{5} + \frac{3}{8} = \frac{20}{40} + \frac{16}{40} + \frac{15}{40} = \frac{51}{40} = 1\frac{11}{40}$

(6) $\frac{3}{5} + \frac{1}{2} + \frac{5}{6} = \frac{18}{30} + \frac{15}{30} + \frac{25}{30} = \frac{58}{30} = \frac{29}{15} = 1\frac{14}{15}$

(7) $\frac{5}{9} + \frac{7}{10} + \frac{5}{18} = \frac{50}{90} + \frac{63}{90} + \frac{25}{90} = \frac{138}{90} = \frac{23}{15} = 1\frac{8}{15}$

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ABCDE たし算をしましょう。仮分数は帯分数にしましょう。

例 $1\frac{1}{2} + 2\frac{1}{3} = 1\frac{3}{6} + 2\frac{2}{6} = 3\frac{5}{6}$

(1) $2\frac{1}{2} + 1\frac{1}{4} = 2\frac{2}{4} + 1\frac{1}{4} = 3\frac{3}{4}$

(2) $2\frac{5}{6} + \frac{7}{12} = 2\frac{10}{12} + \frac{7}{12} = 2\frac{17}{12} = 3\frac{5}{12}$

(3) $1\frac{1}{3} + 2\frac{3}{4} = 1\frac{4}{12} + 2\frac{9}{12} = 3\frac{13}{12} = 4\frac{1}{12}$

(4) $1\frac{2}{3} + 3\frac{7}{18} = 1\frac{12}{18} + 3\frac{7}{18} = 4\frac{19}{18} = 5\frac{1}{18}$

(5) $1\frac{4}{9} + 3\frac{13}{18} = 1\frac{8}{18} + 3\frac{13}{18} = 4\frac{21}{18} = 4\frac{7}{6} = 5\frac{1}{6}$

(6) $2\frac{3}{4} + 3\frac{7}{20} = 2\frac{15}{20} + 3\frac{7}{20} = 5\frac{22}{20} = 5\frac{11}{10} = 6\frac{1}{10}$

(7) $2\frac{5}{6} + 1\frac{3}{10} = 2\frac{25}{30} + 1\frac{9}{30} = 3\frac{34}{30} = 3\frac{17}{15} = 4\frac{2}{15}$