

1次式の減法

1次式の減法では、ひく式の符号を変えて計算する。

$$\begin{aligned}
 \text{1} \quad & \left(\frac{2}{9}x + \frac{1}{4}\right) - \left(\frac{2}{3}x + \frac{2}{5}\right) \\
 &= \frac{2}{9}x + \frac{1}{4} - \frac{2}{3}x - \frac{2}{5} \\
 &= \frac{2}{9}x - \frac{2}{3}x + \frac{1}{4} - \frac{2}{5} \\
 &= \frac{2}{9}x - \frac{6}{9}x + \frac{5}{20} - \frac{8}{20} \\
 &= -\frac{4}{9}x - \frac{3}{20}
 \end{aligned}$$

$$\begin{aligned}
 \text{2} \quad & \left(-\frac{1}{3}x + \frac{1}{4}\right) - \left(\frac{5}{6}x - \frac{3}{7}\right) \\
 &= -\frac{1}{3}x + \frac{1}{4} - \frac{5}{6}x + \frac{3}{7} \\
 &= -\frac{1}{3}x - \frac{5}{6}x + \frac{1}{4} + \frac{3}{7} \\
 &= -\frac{2}{6}x - \frac{5}{6}x + \frac{7}{28} + \frac{12}{28} \\
 &= -\frac{7}{6}x + \frac{19}{28}
 \end{aligned}$$

1 次の計算をなさい。

$$\text{①} \quad \left(\frac{1}{4}x + \frac{3}{8}\right) - \left(\frac{1}{5}x + \frac{1}{4}\right)$$

$$\text{②} \quad \left(-\frac{1}{3}x + \frac{3}{7}\right) - \left(\frac{2}{5}x - \frac{2}{3}\right)$$

$$\text{③} \quad \left(\frac{1}{5}x - \frac{2}{3}\right) - \left(-\frac{3}{7}x - \frac{2}{7}\right)$$

$$\text{④} \quad \left(-\frac{2}{3}x - \frac{5}{8}\right) - \left(\frac{7}{8}x - \frac{2}{5}\right)$$

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1 次式の減法では、ひく式の符号を変えて計算する。

$$\begin{aligned}
 \text{1} \quad & \left(\frac{2}{9}x + \frac{1}{4}\right) - \left(\frac{2}{3}x + \frac{2}{5}\right) \\
 &= \frac{2}{9}x + \frac{1}{4} - \frac{2}{3}x - \frac{2}{5} \\
 &= \frac{2}{9}x - \frac{2}{3}x + \frac{1}{4} - \frac{2}{5} \\
 &= \frac{2}{9}x - \frac{6}{9}x + \frac{5}{20} - \frac{8}{20} \\
 &= -\frac{4}{9}x - \frac{3}{20}
 \end{aligned}$$

$$\begin{aligned}
 \text{2} \quad & \left(-\frac{1}{3}x + \frac{1}{4}\right) - \left(\frac{5}{6}x - \frac{3}{7}\right) \\
 &= -\frac{1}{3}x + \frac{1}{4} - \frac{5}{6}x + \frac{3}{7} \\
 &= -\frac{1}{3}x - \frac{5}{6}x + \frac{1}{4} + \frac{3}{7} \\
 &= -\frac{2}{6}x - \frac{5}{6}x + \frac{7}{28} + \frac{12}{28} \\
 &= -\frac{7}{6}x + \frac{19}{28}
 \end{aligned}$$

1 次の計算をしなさい。

$$\begin{aligned}
 \text{①} \quad & \left(\frac{1}{4}x + \frac{3}{8}\right) - \left(\frac{1}{5}x + \frac{1}{4}\right) \\
 &= \frac{1}{4}x + \frac{3}{8} - \frac{1}{5}x - \frac{1}{4} \\
 &= \frac{1}{4}x - \frac{1}{5}x + \frac{3}{8} - \frac{1}{4} \\
 &= \frac{5}{20}x - \frac{4}{20}x + \frac{3}{8} - \frac{2}{8} \\
 &= \frac{1}{20}x + \frac{1}{8}
 \end{aligned}$$

$$\begin{aligned}
 \text{②} \quad & \left(-\frac{1}{3}x + \frac{3}{7}\right) - \left(\frac{2}{5}x - \frac{2}{3}\right) \\
 &= -\frac{1}{3}x + \frac{3}{7} - \frac{2}{5}x + \frac{2}{3} \\
 &= -\frac{1}{3}x - \frac{2}{5}x + \frac{3}{7} + \frac{2}{3} \\
 &= -\frac{5}{15}x - \frac{6}{15}x + \frac{9}{21} + \frac{14}{21} \\
 &= -\frac{11}{15}x + \frac{23}{21}
 \end{aligned}$$

$$\begin{aligned}
 \text{③} \quad & \left(\frac{1}{5}x - \frac{2}{3}\right) - \left(-\frac{3}{7}x - \frac{2}{7}\right) \\
 &= \frac{1}{5}x - \frac{2}{3} + \frac{3}{7}x + \frac{2}{7} \\
 &= \frac{1}{5}x + \frac{3}{7}x - \frac{2}{3} + \frac{2}{7} \\
 &= \frac{7}{35}x + \frac{15}{35}x - \frac{14}{21} + \frac{6}{21} \\
 &= \frac{22}{35}x - \frac{8}{21}
 \end{aligned}$$

$$\begin{aligned}
 \text{④} \quad & \left(-\frac{2}{3}x - \frac{5}{8}\right) - \left(\frac{7}{8}x - \frac{2}{5}\right) \\
 &= -\frac{2}{3}x - \frac{5}{8} - \frac{7}{8}x + \frac{2}{5} \\
 &= -\frac{2}{3}x - \frac{7}{8}x - \frac{5}{8} + \frac{2}{5} \\
 &= -\frac{16}{24}x - \frac{21}{24}x - \frac{25}{40} + \frac{16}{40} \\
 &= -\frac{37}{24}x - \frac{9}{40}
 \end{aligned}$$