


1. 다음 식의 계산에서 □ 안에 알맞은 수나 식을 차례대로 써넣어라.

(1)

$$\begin{aligned}
 & \left(\frac{1}{3}a - \frac{1}{2}b\right) + \left(\frac{2}{3}a + \frac{3}{2}b\right) \\
 &= \frac{1}{3}a - \frac{1}{2}b + \frac{2}{3}a + \frac{3}{2}b \\
 &= \frac{1}{3}a + \square a - \frac{1}{2}b + \square \\
 &= (\square + \square)a + (\square + \square)b \\
 &= \square a + \square b
 \end{aligned}$$

(2)

$$\begin{aligned}
 & \left(\frac{1}{5}a - \frac{2}{3}b\right) - \left(\frac{3}{5}a - \frac{1}{3}b\right) \\
 &= \frac{1}{5}a - \frac{2}{3}b - \frac{3}{5}a + \frac{1}{3}b \\
 &= \frac{1}{5}a - \square a - \square + \frac{1}{3}b \\
 &= (\square - \square)a + (\square + \square)b \\
 &= \square a + \square b
 \end{aligned}$$

 $\frac{2}{3}a$, $\frac{3}{2}b$, $\frac{1}{3}a$, $\frac{2}{3}b$, $-\frac{1}{5}a$, $\frac{3}{5}a$, 1 , 1 , $-\frac{3}{5}a$, $\frac{1}{3}b$, $\frac{1}{5}a$, $\frac{2}{3}b$, $-\frac{2}{3}b$, $\frac{1}{3}b$, $-\frac{2}{5}a$, $-\frac{1}{3}b$

해설

(1)

$$\begin{aligned}
 & \left(\frac{1}{3}a - \frac{1}{2}b\right) + \left(\frac{2}{3}a + \frac{3}{2}b\right) \\
 &= \frac{1}{3}a - \frac{1}{2}b + \frac{2}{3}a + \frac{3}{2}b \\
 &= \frac{1}{3}a + \frac{2}{3}a - \frac{1}{2}b + \frac{3}{2}b \\
 &= \left(\frac{1}{3} + \frac{2}{3}\right)a + \left(-\frac{1}{2} + \frac{3}{2}\right)b \\
 &= 1a + 1b
 \end{aligned}$$

(2)

$$\begin{aligned}
 & \left(\frac{1}{5}a - \frac{2}{3}b\right) - \left(\frac{3}{5}a - \frac{1}{3}b\right) \\
 &= \frac{1}{5}a - \frac{2}{3}b - \frac{3}{5}a + \frac{1}{3}b \\
 &= \frac{1}{5}a - \frac{3}{5}a - \frac{2}{3}b + \frac{1}{3}b \\
 &= \left(\frac{1}{5} - \frac{3}{5}\right)a + \left(-\frac{2}{3} + \frac{1}{3}\right)b \\
 &= -\frac{2}{5}a + \left(-\frac{1}{3}\right)b
 \end{aligned}$$