

文字の式（加法・減法③）

組 番 名前

1 次の式を、かっこをはずして簡単にしなさい。

$$\begin{aligned} \textcircled{1} \quad & 5a + (2a - 3) \\ & = 7a - 3 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 4x - 2 + (9 - 5x) \\ & = 4x - 2 + 9 - 5x \\ & = -x + 7 \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & x - (6x + 5) \\ & = x - 6x - 5 \\ & = -5x - 5 \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 2a + 6 - (5a + 2) \\ & = 2a + 6 - 5a - 2 \\ & = -3a + 4 \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & -5y + 7 + (3y - 4) \\ & = -5y + 7 + 3y - 4 \\ & = -2y + 3 \end{aligned}$$

2 次の計算をしなさい。

$$\begin{aligned} \textcircled{1} \quad & (10 - 3a) - (-7a - 8) \\ & = 10 - 3a + 7a + 8 \\ & = 4a + 18 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 4x - (x + 7) \\ & = 4x - x - 7 \\ & = 3x - 7 \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & 10a - (-7a - 3) \\ & = 10a + 7a + 3 \\ & = 17a + 3 \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & a + 2 - (6a + 10) \\ & = a + 2 - 6a - 10 \\ & = -5a - 8 \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & (3m - 1) - (5m - 6) \\ & = 3m - 1 - 5m + 6 \\ & = -2m + 5 \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \left(\frac{a}{5} + 1\right) - (a - 3) \\ & = \frac{a}{5} + 1 - a + 3 \\ & = -\frac{4}{5}a + 4 \end{aligned}$$

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

$$\begin{aligned} \textcircled{7} \quad & \left(x - \frac{1}{7}\right) + \left(3x + \frac{4}{7}\right) \\ & = x - \frac{1}{7} + 3x + \frac{4}{7} \\ & = 4x + \frac{3}{7} \end{aligned}$$

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

3 100円硬貨と500円硬貨が、兄の貯金箱には合わせて30枚、弟の貯金箱には合わせて20枚入っている。また、2人の貯金箱に入っている500円硬貨の枚数の合計は22枚で、兄の貯金箱に入っている100円硬貨の枚数は、弟の貯金箱に入っている500円硬貨の枚数より何枚多いですか。

例	姉	妹	
500	a	(22-a)	22
	14	8	
100	(30-a)		28
	16	12	
	30	20	

$$\begin{aligned} & (30 - a) - (22 - a) \\ & = 8 \end{aligned}$$

8枚 ..