

かっこの外し方① 解答

☆ 次の計算をなさい。

※ 式の一番初めの「+」(うすい文字になっているところ)は、ふつうは書きません。でも、式の途中では+が付いた形が出てくることがあります。このプリントでは、練習のためにあえて+を書いておきました。

$$\begin{aligned} (1) \quad & +6(5x-y) \\ & =6 \times 5x + 6 \times (-y) \\ & =30x - 6y \end{aligned}$$

$$\begin{aligned} (9) \quad & +3(5a-4b) \\ & =3 \times 5a + 3 \times (-4b) \\ & =15a - 12b \end{aligned}$$

$$\begin{aligned} (2) \quad & +9(-7a-8b) \\ & =9 \times (-7a) + 9 \times (-8b) \\ & =-63a - 72b \end{aligned}$$

$$\begin{aligned} (10) \quad & -7(-2x-8y) \\ & =(-7) \times (-2x) + (-7) \times (-8y) \\ & =14x + 56y \end{aligned}$$

$$\begin{aligned} (3) \quad & +3(2x-4) \\ & =3 \times 2x + 3 \times (-4) \\ & =6x - 12 \end{aligned}$$

$$\begin{aligned} (11) \quad & +5(-9a+3) \\ & =5 \times (-9a) + 5 \times 3 \\ & =-45a + 15 \end{aligned}$$

$$\begin{aligned} (4) \quad & -(4a-8) \\ & =(-1) \times 4a + (-1) \times (-8) \\ & =-4a + 8 \end{aligned}$$

$$\begin{aligned} (12) \quad & -(6x+4y) \\ & =(-1) \times 6x + (-1) \times 4y \\ & =-6x - 4y \end{aligned}$$

$$\begin{aligned} (5) \quad & -3(-5x+6y) \\ & =(-3) \times (-5x) + (-3) \times 6y \\ & =15x - 18y \end{aligned}$$

$$\begin{aligned} (13) \quad & +8(6a-2) \\ & =8 \times 6a + 8 \times (-2) \\ & =48a - 16 \end{aligned}$$

$$\begin{aligned} (6) \quad & +2(9a+7) \\ & =2 \times 9a + 2 \times 7 \\ & =18a + 14 \end{aligned}$$

$$\begin{aligned} (14) \quad & -5(-x+3y) \\ & =(-5) \times (-x) + (-5) \times 3y \\ & =5x - 15y \end{aligned}$$

$$\begin{aligned} (7) \quad & -9(x+2) \\ & =(-9) \times x + (-9) \times 2 \\ & =-9x - 18 \end{aligned}$$

$$\begin{aligned} (15) \quad & +4(-9a-7) \\ & =4 \times (-9a) + 4 \times (-7) \\ & =-36a - 28 \end{aligned}$$

$$\begin{aligned} (8) \quad & +(7x-8y) \\ & =1 \times 7x + 1 \times (-8y) \\ & =7x - 8y \end{aligned}$$

$$\begin{aligned} (16) \quad & -2(9x+y) \\ & =(-2) \times 9x + (-2) \times y \\ & =-18x - 2y \end{aligned}$$