

## 7 正の数・負の数の加法②

次の計算をしなさい。(答の+は省略すること)

<初級編>

- |                   |                   |
|-------------------|-------------------|
| ① $(+3) + (-4) =$ | ② $(+5) + (-8) =$ |
| ③ $(-2) + (+5) =$ | ④ $(-7) + (-1) =$ |
| ⑤ $(+4) + (-6) =$ | ⑥ $(-5) + (+2) =$ |
| ⑦ $(-7) + (-3) =$ | ⑧ $(+5) + (+4) =$ |
| ⑨ $(-2) + (-2) =$ | ⑩ $(+8) + (-8) =$ |
| ⑪ $(-6) + (-4) =$ | ⑫ $(+3) + (-5) =$ |
| ⑬ $(-5) + (+9) =$ | ⑭ $(-8) + (+1) =$ |
| ⑮ $(+6) + (-5) =$ | ⑯ $(-3) + (+6) =$ |
| ⑰ $(-1) + (+7) =$ | ⑱ $(-7) + (-3) =$ |
| ⑲ $(+5) + (-9) =$ | ⑳ $0 + (-2) =$    |

<中級編>

- |                     |                     |
|---------------------|---------------------|
| ① $(+15) + (-7) =$  | ② $(-10) + (-8) =$  |
| ③ $(-16) + (+9) =$  | ④ $(+12) + (-5) =$  |
| ⑤ $(-8) + (+17) =$  | ⑥ $(-20) + (+17) =$ |
| ⑦ $(-19) + (-8) =$  | ⑧ $(+24) + (-28) =$ |
| ⑨ $(-36) + (+36) =$ | ⑩ $(-25) + (-13) =$ |
| ⑪ $(+17) + (-23) =$ | ⑫ $(-26) + (+17) =$ |
| ⑬ $(-74) + (+36) =$ | ⑭ $(-46) + (+63) =$ |
| ⑮ $(+23) + (+16) =$ | ⑯ $(-4) + (-54) =$  |

<上級編>

- |                      |                      |
|----------------------|----------------------|
| ① $(-37) + (-23) =$  | ② $(+19) + (-35) =$  |
| ③ $(+24) + (+51) =$  | ④ $(+61) + (-41) =$  |
| ⑤ $(+45) + (-98) =$  | ⑥ $(-26) + (+54) =$  |
| ⑦ $(-123) + (+13) =$ | ⑧ $(+27) + (-135) =$ |
| ⑨ $(-54) + (-121) =$ | ⑩ $(-164) + (+53) =$ |

☆たし算のことを  といいます。

- ①  $0 + (-12) = -12$  …… 0との和は、その数のままです。  
 ②  $(-9) + (+9) = 0$  …… 絶対値が等しい異符号の2の和は、0です。

### 少数、分数の加法

$$\begin{aligned} \textcircled{1} \quad & (-0.4) + (+1.7) \\ & = + (1.7 - 0.4) \\ & = 1.3 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & (-\frac{1}{5}) + (-\frac{3}{5}) \\ & = - (\frac{1}{5} + \frac{3}{5}) \quad \begin{array}{l} \text{ } \\ \text{ } \\ \text{ } \end{array} \begin{array}{l} \text{ } \\ \text{ } \\ (-1)+(-3) \end{array} \\ & = -\frac{4}{5} \end{aligned}$$

<練習1> 次の計算をしなさい。

$$\begin{aligned} \textcircled{1} \quad & (+5.1) + (-2.2) \\ & = \\ & = \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & (-0.3) + (-0.7) \\ & = \\ & = \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & (-4.6) + (-3.4) = \\ & = \\ & = \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & (-1.3) + (+1.5) \\ & = \\ & = \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & (-\frac{4}{5}) + (+\frac{1}{5}) \\ & = \\ & = \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & (-\frac{3}{4}) + (-\frac{5}{2}) \quad \text{まず通分} \\ & = \\ & = \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & (+\frac{1}{6}) + (+\frac{5}{6}) \\ & = \\ & = \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & (-\frac{1}{2}) + (-\frac{1}{3}) \quad \text{まず通分} \\ & = \\ & = \end{aligned}$$

### 加法の計算法則

加法はどんな正の数・負の数の場合にも、次が成り立ちます。

- |   |   |
|---|---|
| ① $2 + 3 = 3 + 2$                         | ② $(2 + 3) + 4 = 2 + (3 + 4)$   |
| $\bigcirc + \square = \square + \bigcirc$ | $(\bigcirc + \square) + \triangle = \bigcirc + (\square + \triangle)$ |

この法則を

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