



When adding and subtracting integers, follow two simple rules:

- 1) When signs are the **same**, **add** integers and keep the sign
- 2) When signs are **different**, **subtract** integers and keep the sign of the **larger** integer

- Eg. $+4 + 5 = +9$ (signs are the same, add)
 Eg. $-4 - 5 = -9$ (signs are the same, add)
 Eg. $+4 - 5 = -1$ (signs are different, subtract)
 Eg. $-4 + 5 = +1$ (signs are different, subtract)

1. Evaluate the following: (*signs are the same*)

- | | | | | |
|----------------------|---------------------|----------------------|-----------------------|----------------------|
| a) $+2 + 8 =$ _____ | b) $-1 - 7 =$ _____ | c) $+14 + 2 =$ _____ | d) $-14 - 15 =$ _____ | e) $-21 - 1 =$ _____ |
| f) $-7 - 5 =$ _____ | g) $8 + 7 =$ _____ | h) $-15 - 6 =$ _____ | i) $5 + 9 =$ _____ | j) $-6 - 6 =$ _____ |
| k) $+7 + 9 =$ _____ | l) $-8 - 5 =$ _____ | m) $-8 - 9 =$ _____ | n) $-16 - 12 =$ _____ | o) $+6 + 6 =$ _____ |
| p) $11 + 13 =$ _____ | q) $+6 + 7 =$ _____ | r) $7 + 7 =$ _____ | s) $16 + 31 =$ _____ | t) $-9 - 18 =$ _____ |

2. Evaluate the following: (*signs are different*)

- | | | | | |
|---------------------|----------------------|----------------------|-----------------------|----------------------|
| a) $+6 - 4 =$ _____ | b) $+6 - 9 =$ _____ | c) $+3 - 1 =$ _____ | d) $-8 + 8 =$ _____ | e) $-2 + 11 =$ _____ |
| f) $-6 + 4 =$ _____ | g) $6 - 7 =$ _____ | h) $-11 + 8 =$ _____ | i) $8 - 19 =$ _____ | j) $4 - 15 =$ _____ |
| k) $+2 - 8 =$ _____ | l) $-9 + 4 =$ _____ | m) $8 - 9 =$ _____ | n) $+7 - 15 =$ _____ | o) $15 - 4 =$ _____ |
| p) $-1 + 5 =$ _____ | q) $-14 + 7 =$ _____ | r) $1 - 12 =$ _____ | s) $-13 + 25 =$ _____ | t) $26 - 75 =$ _____ |

3. Evaluate the following: (*signs are mixed*)

- | | | | | |
|----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| a) $-11 - 8 =$ _____ | b) $+8 + 19 =$ _____ | c) $-8 - 5 =$ _____ | d) $-8 + 18 =$ _____ | e) $-8 + 41 =$ _____ |
| f) $6 - 14 =$ _____ | g) $+15 - 17 =$ _____ | h) $+17 + 18 =$ _____ | i) $8 + 19 =$ _____ | j) $1 - 99 =$ _____ |
| k) $8 + 9 =$ _____ | l) $-6 + 14 =$ _____ | m) $18 - 19 =$ _____ | n) $+7 - 7 =$ _____ | o) $-25 - 9 =$ _____ |
| p) $-1 - 11 =$ _____ | q) $+12 + 17 =$ _____ | r) $-10 - 14 =$ _____ | s) $-11 + 12 =$ _____ | t) $72 - 79 =$ _____ |

4. Evaluate the following: (*signs are mixed*)

- | | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| a) $-52 - 48 =$ _____ | b) $-38 + 79 =$ _____ | c) $-28 + 55 =$ _____ | d) $-36 + 46 =$ _____ | e) $-8 - 83 =$ _____ |
| f) $25 + 17 =$ _____ | g) $+32 - 14 =$ _____ | h) $-13 - 19 =$ _____ | i) $-26 + 16 =$ _____ | j) $16 - 34 =$ _____ |
| k) $-28 + 49 =$ _____ | l) $-46 - 18 =$ _____ | m) $26 - 49 =$ _____ | n) $+25 - 63 =$ _____ | o) $+65 - 5 =$ _____ |
| p) $-6 - 24 =$ _____ | q) $+16 + 12 =$ _____ | r) $-20 + 74 =$ _____ | s) $-62 + 47 =$ _____ | t) $-62 - 41 =$ _____ |

5. Complete the missing values in the tables below:

a)

| | | | | | | |
|----|----|----|---|--|----|-----|
| + | 3 | -5 | 1 | | -1 | |
| 8 | | | | | | |
| | -1 | | | | | |
| -2 | | | 3 | | | |
| 3 | | | | | | |
| -6 | | | | | | |
| -9 | | | | | | -13 |

b)

| | | | | | | |
|----|----|---|---|---|----|----|
| - | 9 | | 4 | | -6 | -1 |
| 4 | | 6 | | | | |
| -5 | | | | | | |
| 7 | | | | 2 | | |
| -1 | | | | | | |
| 2 | | | | | | |
| | -8 | | | | | |