Name _____ Date _____

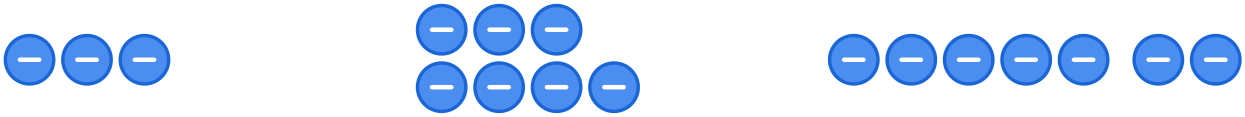
INTEGERS WITH COUNTERS · LESSON 2

# Adding Negative Integers

You already know: 3 + 4 means joining 3 and 4 red counters. You get 7 red counters, so 3 + 4 = 7.

Example

**−3 + (−4) = ?**



1. Start with −3: three blue counters.
2. Add −4: four more blue counters.
3. There are seven blue counters in all.

**−3 + (−4) = −7**

**1** Show the sum with counters and work it out.

−2 + (−5) = ☐

−6 + (−1) = ☐

−4 + (−4) = ☐

−7 + (−3) = ☐

−1 + (−8) = ☐

−5 + (−5) = ☐

**2** Adding zero. Draw counters and work it out.

$0 + (-5) =$ ☐ $-8 + 0 =$ ☐ $0 + (-1) =$ ☐ $-3 + 0 =$ ☐

**3** Fill in the Sum column with +, − or 0, then write your own example for each row.

| STEP | DESCRIPTION | FIRST ADDEND | SECOND ADDEND | SUM | MY EXAMPLE |
|---|---|---|---|---|---|
| 0. | Adding non-negative integers *(known)* | + | + | + | |
| | | + | 0 | + | |
| | | 0 | + | + | |
| | | 0 | 0 | 0 | |
| 1. | **Adding negative integers** | − | − | | |
| 2. | **Adding zero and a negative number** | 0 | − | | |
| 3. | **Adding a negative number and zero** | − | 0 | | |

**4** Work these out without counters.

a) $-12 + (-8) =$ _____ b) $-25 + (-15) =$ _____ c) $0 + (-17) =$ _____

d) $-9 + (-11) =$ _____ e) $-30 + 0 =$ _____ f) $-46 + (-54) =$ _____

**Remember**

The sum of two negative numbers is a _____ number.

When we add zero to a number, the sum is _____.