**Adding and Subtracting Integers**

* Same Sign
  + Add
  + Keep the sign

When[integers](http://www.mathleague.com/help/integers/integers.htm#addingintegers) have the same sign, add the integers.  The sum will have the same sign as the integers.

+7 +  +8 = +15                      -9 +  -4 = -13

* Different Sign
  + Subtract
  + Take the Sign of the Highest Number

When integers have different signs, find the difference between the two numbers.  The sum will have the sign of the integer with the largest value.

+8 + -5 = +3                         +4 + -9 = -5

Ask Your Self: Is the sign the same or different?

**Special Cases**

**8-5 become 8+ (-5)… Now you can clearly see that the signs are different.**

**4-(-5) becomes 4+5 because a negative multiplied by a positive becomes a negative (-)(-)**

**Practice**

Find the difference of the following integers.

|  |  |
| --- | --- |
| **Subtraction Problem** | **Difference** |
| -9 - (+12) |  |
| 15 - (-7) |  |
| -8 - (+6) |  |
| -14 - (+9) |  |
| -5 - (+8) |  |
| -13 - (+13) |  |
| 32 - (-12) |  |
| -27 - (+17) |  |
| 21 - (+5) |  |
| -10 - (+11) |  |