***MPM1D Adding and Subtracting Integers***

|  |  |  |
| --- | --- | --- |
| The is negative  The is positive | The is negative  The is also negative | The is positive  The is negative |
| \*If you write two signs together, put a bracket around the second one. We do NOT write  🡨**Bad Form!** | | |

**Simplifying two signs to one sign:**

If we have then we can write it as just *eg.*  3

If we have then we can write it as just *eg.*

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**1.** Evaluate.

a) b) c) d)

d) e) f)

g) h)

**2. Evaluate.** Show any steps you use to simplify, especially when you have two signs in a row.

a) b)

c) d)

e) f)

g) h)

1. List four possible values to make the statement true or explain why it is not possible.
   1. An integer greater than and greater than
   2. An integer greater than and less than
   3. An integer greater than and less than
2. The sum of two integers is between and . If you subtract these two integers, the difference is a negative number close to . List three possible pairs of integers.
3. Complete each statement to make it true.
   1. If you subtract a positive integer from a negative one, the result is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Example:

* 1. If you subtract a negative integer from a positive one, the result is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Example:

* 1. If you subtract a negative integer from a negative one, the result is negative if   
       
     \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Example:

* 1. If you subtract a positive integer from a positive one, the result is negative if

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Example:

**CHALLENGE:** In a magic square, each row, column, and diagonal has the same sum. Find the integers to complete the square.

|  |  |  |
| --- | --- | --- |
| +4 |  |  |
|  | +1 |  |
| +2 |  | -2 |