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Multiplying Integers

Name:

Period:

Date:

Standard: NS.A.2

? What is the difference between combining and multiplying two negative integers?

Multiplying integers:

Two-Step process:

Step #1: Multiply normally.

Step #2: Use "movie rules" to determine whether your answer is positive or negative.

"Movie rules":

(+) • (+) = +                      (-) • (-) = +

(+) • (-) = -                      (-) • (+) = -

Examples:

(+ 4) • (+ 5) =                      (+ 2) • (+ 9) =

(- 3) • (- 6) =                      (- 7) • (- 8) =

(+ 5) • (- 5) =                      (+1) • (- 10) =

(-7) • (+ 6) =                      (-3) • (+ 2) =

Diamond problems:

Top: combine integers:

~~+7 -9~~      ~~-3 -8~~      ~~-5 +2~~      ~~+4 +1~~

Bottom: multiply integers:

Summary:

Four horizontal lines for writing a summary.