

## Lesson 2: Multiplying and Dividing Integers

### Goals:

- Multiply and Divide positive and negative numbers.
- Determine the solutions to word problems involving the multiplication and division of Integers.

Here's is the multiplication table with integers. Fill in the products that you know best. Use the patterns you see to help you complete the table. Some products are already filled in.

$\times$	-3	-2	-1	0	1	2	3
3	-9	-6	-3	0	<sup><math>\times 3</math></sup> 3	6	9
2	-6	-4	-2	0	2	4	6
1	-3	-2	-1	0	1	2	3
0	0	0	0	0	0	0	0
-1	+3	2	1	0	-1	-2	-3
-2	6	4	2	0	-2	-4	-6
-3	9	6	3	0	-3	-6	-9

Explain a strategy you could use to multiply any negative integer by any positive integer.

$$- \times + = -$$

Explain a strategy you could use to multiply any two negative integers.

$$- \times - = +$$