**Practice Problems for Adding and Subtracting Integers**

Number Line – Graph paper

Algebra Tiles (red = negative; yellow = positive)

**Practice Problems with Algebraic Expressions**

Represent with Algebra Tiles

-4x + 6

X + 4

2x -3

-3 + 6 =

5 − -6 =

7 + -4 =

-8 + 9 =

Use a Number Line only:

20 + -37

-40 − -61

Algebraic Expressions

Delia works at a supermarket. She earns double her regular pay, plus a $15 bonus, for working on weekends What algebraic expression represents her weekend pay?

Jordon feeds his German Shepard twice as much as he feeds his chihuahua. He also gives his German Shepard one additional scoop of food. What algebraic expression represents how much he feeds his German Shepard?

Let x = scoops of food Jordon feed his chihuahua.

Simplifying with Algebra Tiles

-3 – 2x + 7 + x

4x + 8 – x - 3

Evaluate the Expression

3x – 4 when x = 2

Simplify, then evaluate: 2x + 4 – 5 – 3x; when x = 3

Substitute, then evaluate: 5 – x + 3x – 2; when x = 2