INDEPDENDENT PRACTICE

Lesson 13 – Integers Day 2

Multiply using Algebra tiles.

6 x -2 3 x -4 7 x -7 -6(-3)

Solve using shortcut. Check your shortcut answer using algebra tiles.

5(-3) -3(3) 4 x -2 2 x -9

Divide using Algebra tiles.

-10/2 8 ÷ -2 -7 ÷ 1 -6 ÷ -3

Solve using shortcut. Check your shortcut answer using algebra tiles.

3 ÷ -3 4/1 -12/6 4 ÷ -2

Application

The following formulas can be used to convert temperatures into the other scale.

Fraction Formula: Decimal Formula:

Celsius to Fahrenheit (°C x 9/5) + 32 = °F (°C × 1.8) + 32 = °F

Fahrenheit to Celsius (°F - 32°) × 5/9 = °C (°F – 32) ÷ 1.8 = °C

Use the formulas to convert each temperature below:

1. 12°C = \_\_\_\_\_\_\_\_\_\_\_\_

2. -56°C = \_\_\_\_\_\_\_\_\_\_\_\_\_

3. -12°F = \_\_\_\_\_\_\_\_\_\_\_\_

4. 100°F = \_\_\_\_\_\_\_\_\_\_\_\_\_

5. -32°F = \_\_\_\_\_\_\_\_\_\_\_\_

6. 0°C = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. 13°F =\_\_\_\_\_\_\_\_\_\_\_\_\_\_