**Grade 7 Math**

**In Class Assignment**

**Section A – Multiple Choice. Circle the correct answer for each. Show your thinking with an example. (10 marks)**

1. **The sum of two opposite integers is always zero.**
2. **True B) False**

**Example:\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **The sum of two positive integers is negative.**
2. **True B) False**

**Example:\_\_\_\_\_\_\_\_\_\_\_\_**

1. **The sum of two negative numbers is negative.**
2. **True B) False**

**Example:\_\_\_\_\_\_\_\_\_**

1. **The sum of a negative and a positive integer is always positive.**
2. **True B) False**

**Example:\_\_\_\_\_\_\_\_\_\_**

1. **Zero pairs are shown by equal amount of tiles for a nega.**
2. **True B) False**

**Example:\_\_\_\_\_\_\_\_**

**Section B – Representing integers**

**Use labelled tiles to represent each sum.**

**\*Remember to circle your zero pairs!**

1. **(+4) + (-9) = b) (-5) + (+3) =**
2. **(-2) + ( -3) = d) (+ 12) + (-2)=**

**Section C – Adding Integers on a Number Line**

**You may draw 1 or 2 arrows to represent the addition equation.**

1. **( +2) + ( +4)**



1. **(-3) + ( -4) =**



1. **(+2) + (-5) =**



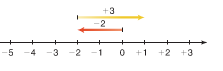
1. **(-9) + (+4) =**



**Section D- Write the addition equation that is represent by the following number lines.**

1. 

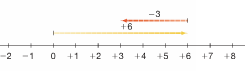
**Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. 

**Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. 

**Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. 

**Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. 

**Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Section E**

**Create an Integer equation for the following statements.**

1. **The temperature drops 2 C then rises 4 C.**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Marie earned $ 7 and then spent $3.**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Grady walked 10 steps forward then 3 steps backward.**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Ty deposits $20, then withdraws $10.**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Laura drove her bike 2 km left then turned around and drove 1 km right.**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Section E**

**Draw each of the following to arrive at the correct answer. You may have to add or take away tiles to arrive at the answer.**

1. **You have 10 red tiles.**

**How can you show -2?**

1. **You have 10 positive tiles.**

**How can you show +2?**

1. **You have 10 red tiles.**

**How can you show +2?**

1. **You have 10 yellow tiles.**

**How can you show -2?**

1. **You have 10 yellow tiles.**

**How can you show 0?**

**Section F**

**Match.**

1. **(-2) + (+3) -1**
2. **(+2) + (+3) +1**
3. **(-2) + (-3) +5**
4. **(+2) + (-3) -5**