**Grade 6**

**Unit 2 – Understanding Number**

**In this unit I will be able to:**

* **Use place value to represent whole numbers greater than one million**
* **Solve problems involving large numbers using technology**
* **Determine multiples and factors of numbers less than 100**
* **Solve problems involving multiples**
* **Identify prima and composite numbers**
* **Apply order of operations to solve multi-step problems**
* **Demonstrate an understanding of integers**

**Terms that are important in this unit:**

**billion – one thousand million**

**trillion – one thousand billion**

**common multiples – a number that is a multiple of two or more numbers**

**ex/ 6 is a common multiple of 2 and 3**

**prime number**

**composite number**

**common factors – a number that is a factor of each of the given numbers**

 **ex/ 3 is a common factor of 15, 9 and 21**

 **3 x 5 = 15**

 **3 x 3 = 9**

 **3 x 7 = 21**

**expression – a mathematical statement with numbers and operations but NO equal sign; it**

**could also be an algebraic statement**

**ex/ 4 + 6 – 2 or 2a + 6**

**product – the answer to a multiplication question of 2 or more factors**

**quotient – the answer to a division question**

**order of operations - the rules that are followed when simplifying or evaluating an**

 **expression**

 **B – brackets**

 **E – exponents**

 **D – division**

 **M – multiplication**

 **A – addition**

 **S – subtraction**

**Integer – the set of numbers that includes all positive and negative numbers**

**negative integer – a number less than 0**

 **e.g. ( - 5 )**

**positive integer – a number greater than 0**

 **e.g. ( 7 ) or ( +6 )**

**opposite integer - two integers with a sum of 0**

**e.g. (+3) and (- 3) are opposite integers**