

Grade 6

Number Sense and Numeration

Unit Review

Using what we have discussed in class, your independent work, and ideas from group problem solving, you will be expected to answer multiple choice, short answer questions and word problems on place value, prime and composite numbers, addition, subtraction, the order of operations and mental math strategies.

The Success Criteria for this unit of study includes:

- 1) I can represent the same number in different ways (standard form, expanded form, on a place value chart, in words, and number/word form)
- 2) I can order numbers from least to greatest and greatest to least
- 3) I can use various tools to help me solve problems (e.g. base 10 blocks, place value charts)
- 4) I can determine the common multiples for a set of numbers and use those factors as part of a problem solving strategy.
- 5) I can identify composite numbers and prime numbers, and explain the relationship between them using a factor tree.
- 6) I can solve problems involving the addition and subtraction of whole numbers (up to four digits) using a variety of strategies (e.g. estimation, algorithms, and guess and check)
- 7) I can explain the need for a standard order of operations and the impact that changing the order has when solving equations.
- 8) I can use a variety of mental strategies to solve addition, subtraction, multiplication, and division problems involving whole numbers.
(e.g. friendly numbers, breaking numbers apart, and working from left to right)
- 9) I can show my thinking and explain my strategies using pictures, numbers and words.

Examples of questions that match this Success Criteria are found in
Unit 2 - Whole Numbers from the **Math Makes Sense Grade 6**
textbook on pages 30 - 78.