

**Performance Standards
Intensive Mathematics**

Name _____

Standards					
1.0 Integers					
1.1 Represent integers on the number line.					
1.2 Model situations with integers.					
1.3 Compare integers using $<$, $=$, and $>$ symbols.					
1.4 Develop strategies for adding, subtraction, multiplying, and dividing integers.					
1.5 Find inverses for given integers.					
1.6 Find the absolute value for given real numbers.					
1.7 Evaluate expressions by applying the rules or order of operations.					
1.8 Sketch coordinate graphs in four quadrants.					
2.0 Working With Data					
2.1 Explore the process of data investigation.					
2.2 Represent data using line graphs, bar graphs, stem-and-leaf plot, and coordinate graphs.					
2.3 Explore ways of describing data such as measure of center (mode, median, mean) and range or variability in the data.					
2.4 Develop strategies for comparing data sets.					
3.0 Number Theory					
3.1 Understand the relationships among factors, multiples, divisors, and products.					
3.2 Link area and dimensions of rectangles with products and factors.					
3.3 Identify numbers as prime or composite and as odd or even based on their factors.					
3.4 Develop strategies for finding factors and multiples of whole numbers.					
3.5 Demonstrate the Fundamental Theorem of Arithmetic with specified whole numbers.					
3.6 Develop Strategies to solve problems involving factors and multiples.					
4.0 Working with Rational Numbers					
4.1 Model situations involving fractions, decimals, and percents.					
4.2 Develop an understanding of the relationships between fractions, decimals, and percents.					
4.3 Compare and order fractions and decimals.					
4.4 Move flexibly between fractions, decimals, and percent representations.					

Standards					
4.5 Add, subtract, multiply, and divide with fractions.					
4.6 Add, subtract, multiply, and divide with decimals.					
5.0 Ratio, Proportion, and Percent					
5.1 Demonstrate the use of the term 'ratio', 'proportion', and 'percent' to ask comparison questions.					
5.2 Find equivalent ratios.					
5.3 Set up and solve proportions that arise in applications.					
6.0 Measurement					
6.1 Find areas and perimeters of rectangular shapes and non-rectangular shapes.					
6.2 Develop procedures for finding areas and perimeters of rectangles, parallelograms, triangles, and circles.					
6.3 Find areas of parallelograms, triangles, and trapezoids.					
6.4 Find areas and circumferences of circles.					
6.5 Find volumes and surface areas for rectangular prisms.					
6.6 Find volumes and surface areas for cylinders.					
6.7 Use models and representations of models to solve area and volume problems.					
7.0 Geometry					
7.1 Recognize, classify, and analyze polygons.					
7.2 Recognize and describe symmetries of figures.					
7.3 Identify similar figures visually and by comparing sides and angles.					
7.4 Recognize that lengths between similar figures change by a constant scale factor.					
7.5 Determine and use scale factors to find unknown lengths.					
7.6 Perform transformations of figures, including reflections, translations, and rotations.					
7.7 Reason about spatial relationships.					
8.0 Probability					
8.1 Interpret statements of probability.					
8.2 Represent possible outcomes in tables, grids, and tree diagrams.					
9.0 Expressions and Equations					
9.1 Write symbolic sentences that communicate their reasoning.					
9.2 Recognize applications of the commutative and distributive properties.					