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to the

## Nampa School District Mathematical Essential Standards Grade 5

**A Correlation of enVisionmath2.0 ©2016  
to the Nampa, Idaho's Grade 5 Mathematical Essential Standards**

<b>Nampa School District Mathematical Essential Standards Grade 5</b>	<b>enVisionmath2.0 ©2016 Grade 5 Lessons</b>
<b>Operations and Algebraic Thinking:</b>	
5.OA.1 Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.	13-1 Order of Operations 13-2 Evaluate Expressions 13-3 Write Numerical Expressions 13-5 Math Practices and Problem Solving: Reasoning
<b>Numbers and Operations in Base 10:</b>	
5.NBT.3 Read, write, and compare decimals to thousandths.	1-3 Decimals to Thousandths 1-4 Understand Decimal Place Value 1-5 Compare Decimals 1-7 Math Practices and Problem Solving: Look For and Use Structure
5.NBT.5 Fluently multiply multi-digit whole numbers using the standard algorithm.	3-2 Estimate Products 3-3 Multiply 3-Digit by 2-Digit Numbers 3-4 Multiply Whole Numbers with Zeros 3-5 Multiply Multi-Digit Numbers 3-6 Solve Word Problems Using Multiplication 3-7 Math Practices and Problem Solving: Critique Reasoning
5.NBT.6 Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	5-1 Use Patterns and Mental Math to Divide 5-2 Estimate Quotients with 2-Digit Divisors 5-3 Use Models to Divide with 2-Digit Divisors 5-4 Use Partial Quotients to Divide 5-5 Divide by Multiples of 10 5-6 Use Estimation to Place the First Digit of the Quotient 5-7 Divide by 2-Digit Divisors 5-8 Math Practices and Problem Solving: Make Sense and Persevere

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<p>5.NBT.7 Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.</p>	<p>2-1 Mental Math            2-2 Estimate Sums and Differences            2-3 Use Decimals to Add and Subtract Decimals            2-4 Add Decimals            2-5 Subtract Decimals            2-6 Add and Subtract Decimals            4-1 Multiply Decimals by Powers of 10            4-2 Estimate the Product of a Decimal and a Whole Number            4-3 Use Models to Multiply a Decimal and a Whole Number            4-4 Multiply a Decimal by a Whole Number            4-5 Use Models to Multiply a Decimal and a Decimal            4-6 Multiply Decimals Using Partial Products            4-7 Use Properties to Multiply Decimals            4-8 Use Number Sense to Multiply Decimals            4-9 Multiply Decimals            6-1 Patterns for Dividing with Decimals            6-2 Estimate Decimal Quotients            6-3 Use Models to Divide by a 1-Digit Whole Number            6-4 Divide by a 1-Digit Whole Number            6-5 Divide by a 2-Digit Whole Number            6-6 Use Number Sense to Divide Decimals            6-7 Divide by a Decimal            6-8 Continue to Divide by Decimals</p>

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<b>Numbers and Operations--Fractions:</b>	
5.NF.2 Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers. For example, recognize an incorrect result $2/5 + 1/2 = 3/7$ , by observing that $3/7 < 1/2$ .	7-1 Estimate Sums and Differences of Fractions 7-2 Find Common Denominators 7-3 Add Fractions with Unlike Denominators 7-4 Subtract Fractions with Unlike Denominators 7-5 Add and Subtract Fractions 7-6 Estimate Sums and Differences of Mixed Numbers 7-7 Use Models to Add Mixed Numbers 7-8 Add Mixed Numbers 7-9 Use Models to Subtract Mixed Numbers 7-10 Subtract Mixed Numbers 7-11 Add and Subtract Mixed Numbers 7-12 Math Practices and Problem Solving: Model with Math
5.NF.6 Solve real world problems involving multiplication of fractions and mixed numbers e.g. by using visual fraction models or equations to represent the problem.	8-1 Use Models to Multiply a Whole Number by a Fraction 8-2 Use Models to Multiply a Fraction by a Whole Number 8-7 Multiply Mixed Numbers 8-9 Math Practices and Problem Solving: Make Sense and Persevere
5.NF.7 Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.	9-3 Use Multiplication to Divide 9-4 Divide Whole Numbers by Unit Fractions 9-5 Divide Unit Fractions by Non-Zero Whole Numbers 9-6 Divide Whole Numbers and Unit Fractions 9-7 Solve Problems Using Division 9-8 Math Practices and Problem Solving: Repeated Reasoning
<b>Measurement and Data:</b>	
5.MD.2 Make a line plot to display a data set of measurements in fractions of a unit. Use operations on fractions for this grade to solve problems based on information from line plot.	12-1 Analyze Line Plots 12-2 Make Line Plots 12-3 Solve Word Problems Using Measurement Data 12-4 Math Practices and Problem Solving: Critique Reasoning

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5.MD.5 Relate volume to the operations of multiplication and addition and solve real world and mathematical problems involving volume.	10-2 Develop a Volume Formula 10-3 Volume of Prisms 10-4 Combine Volumes of Prisms 10-5 Solve Word Problems Using Volume