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**Curriculum Report**

Print Close

Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Whole Numbers
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| **Chapter -"Whole Numbers"-Students will work with roman numerals and numbers using the base-ten system and perform basic operations.** | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Roman Numerals-Students will use roman numerals to solve problems. | MA6111 MA6112 |
| 2 | Generate Equivalent Forms of Whole Numbers-Students will find equivalent forms for whole numbers. | MA6121 MA6122 |
| 3 | Comparing and Ordering Whole Numbers-Students will compare and order whole numbers up to one trillion. | MA6131 MA6132 |
| 4 | Rounding Whole Numbers-Students will round whole numbers up to one trillion. | MA6141 MA6142 |
| 5 | Estimating Whole Numbers-Students will estimate whole numbers when solving problems. | MA6151 MA6152 |
| 6 | Adding and Subtracting Whole Numbers-Students will add and subtract whole numbers up to one trillion. | MA6161 MA6162 |
| 7 | Multiplying and Dividing Whole Numbers-Students will multiply and divide whole numbers up to four digits. | 67153 MA6172 |
| 8 | Dividing Whole Numbers-Students will divide whole numbers with the dividend being no larger than five digits and the divisor being no more than three digits. | MA6181 MA6182 |
| 9 | Problem Solving Strategies-Students will apply strategies in order to solve real-life problems. | MA6191 MA6192 MA6193 MA6194 MA6195 MA6196 |

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**Curriculum Report**

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Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Decimals
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| **Chapter -"Decimals"-Students will work with decimals and perform all four operations in order to solve problems.** | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Generate Equivalent Forms of Decimals-Students will identify decimal place value and write the number in standard, written and expanded form. | 67188 MA6311 MA6312 MA6314 |
| 2 | Comparing and Ordering Decimals-Students will compare and order decimals including using a number line. | MA6321 MA6322 |
| 3 | Estimating and Rounding Decimals-Students will round and estimate decimals in performing all four operations. | MA6331 MA6332 |
| 4 | Adding and Subtracting Decimals-Students will add and subtract decimals using money. | MA6341 MA6342 |
| 5 | Multiplying Decimals-Students will multiply and round decimals. | 67174 MA6352 |
| 6 | Dividing Decimals-Students will divide by whole numbers and decimals. | 67175 MA6362 |
| 7 | Scientific Notation-Students will compare rational numbers using scientific notation. | 67121 MA6372 |
| 8 | One-Step Equations with Decimals-Students will solve one-step equations with decimals using addition, subtraction, multiplication and division. | MA6381 MA6382 |
| 9 | Problem Solving-Students will use the guess and check and reasonableness strategies in order to solve real-life problems. | MA6391 MA6392 |

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**Curriculum Report**

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Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Fractions
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| **Chapter -"Fractions"-Students will apply concepts about fractions and perform operations with addition, subtraction, multiplication and division.** | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Introduction to Fractions-Students will identify pictorial and numerical representations of fractions and mixed numbers. | MA6411<br>MA6412 |
| 2 | Lowest Common Multiple-Students will find the lowest common multiple of more than two numbers. | 67117<br>MA6422 |
| 3 | Least Common Denominator-Students will find the least common denominator for two or more fractions. | 67118<br>MA6432 |
| 4 | Divisibility Patterns-Students will divisibility rules for 2, 3, 4, 5, 6, 9 and 10 for sets of numbers. | MA6441<br>MA6442 |
| 5 | Introduction to Prime and Composite Numbers-Students will solve problems using prime factorization. | 67114<br>MA6452 |
| 6 | Factors and GCF-Students will find the factors of whole numbers by listing factors and using prime factorization. | MA6461<br>MA6462 |
| 7 | Simplify Fractions-Students will simplify fractions with prime factorization and greatest common factor. Students will also show division remainders as simplified fractions. | MA6471<br>MA6472 |
| 8 | Equivalent Fractions-Students will find equivalent fractions by finding the missing variable and applying concepts used to find equivalent fractions for improper fractions and mixed numbers. | MA6481<br>MA6482 |
| 9 | Fractions and Decimals-Students will find equivalent forms for decimals and fraction including repeating decimals. | MA6491<br>MA6492 |
| 10 | Comparing and Ordering Fractions-Students will compare and order fractions including using a number line. | MA64101<br>MA64102 |
| 11 | Estimating and Rounding Fractions-Students will round fractions to the nearest half number and estimate sums, differences, products and quotients. | MA64111<br>MA64112 |
| 12 | Add and Subtract Fractions, Like Denominators-Students will add and subtract fractions with like denominators. | MA64121<br>MA64122 |
| 13 | Adding Fractions with Unlike Denominators-Students will add fractions and mixed numbers with unlike denominators. | MA64131<br>MA64132 |
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|---|---|---|
| 14 | Subtract Fractions with Unlike Denominators-Students will subtract fractions and mixed numbers with unlike denominators. | MA64141<br>MA64142 |
| 15 | Multiplying Fractions-Students will multiply fractions and mixed numbers. | MA64151<br>MA64152 |
| 16 | Dividing Fractions-Students will divide fractions and mixed numbers. | MA64161<br>MA64162 |
| 17 | One-Step Equations with Fractions-Students will solve one-step equations using fractions and all four operations. | MA64171<br>MA64172 |

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**Curriculum Report**

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Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Integers
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| **Chapter -"Integers"-Students will apply knowledge of integers as they solve problems that require all four operations.** | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Integers in the Real World-Students will use integers to describe real-life situations and show them on a number line. | MA6511<br>MA6512 |
| 2 | Comparing and Ordering Integers-Students will compare integers and rational numbers. | MA6521<br>MA6522 |
| 3 | Adding and Subtracting Integers-Students will add and subtract using integers. | 67149 67203<br>MA6532<br>MA6534 |
| 4 | Multiplying and Dividing Integers-Students will multiply and divide using integers. | MA6541<br>MA6542 |
| 5 | One-Step Equations-Students will solve one step equations with integers including fractions and decimals. | MA6551<br>MA6552 |
| 6 | Problem Solving-Students will use deductive or inductive reasoning, process of elimination or work backwards to solve real-life problems. | MA6561<br>MA6562 |

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**Curriculum Report**

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Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Graphing
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| **Chapter -"Graphing"-Students will analyze, interpret and create graphs. Students will use the information within the organizers to answer questions.** | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Introduction to Graphs-Students will select appropriate representation and present data while justifying their choice. | MA6611 MA6612 |
| 2 | Frequency Tables and Line Plots-Students will use frequency tables and identify appropriate intervals. | MA6621 MA6622 |
| 3 | Pictographs and Venn Diagrams-Students will use Venn Diagrams, stem-and-leaf plots and line plots. | 67234 MA6632 |
| 4 | Bar Graphs-Students will use bar graphs and histograms to answer questions. | MA6641 MA6642 MA6643 MA6644 |
| 5 | Line Graphs and Line Plots-Students will read and interpret line graphs, double line graphs and line plots. | MA6651 MA6652 |
| 6 | Double Bar Graphs and Double Line Graphs-Students will create double bar and line graphs. | 67233 MA6662 |
| 7 | Coordinate Graphing (Quad. I)-Students will locate and plot points on a coordinate graph using ordered pairs. | MA6671 MA6672 |
| 8 | Measures of Central Tendency-Students will identify outliers, range, mean, median and mode. | 67229 MA6682 MA6683 MA6684 |
| 9 | Misleading Graphs and Statistics-Students will work with fair surveys. | 67228 MA6692 |
| 10 | Stem and Leaf Plots-Students will read and interpret stem and leaf plots. | MA66101 MA66102 |
| 11 | Box and Whisker Graphs-Students will read, interpret and create box and whisker graphs. | MA66111 MA66112 |
| 12 | Problem Solving-Students will make a table, an organized list, draw a picture or use logic to solve problems. | MA66121 MA66122 MA66123 MA66124 |

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**Curriculum Report**

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Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Measurement
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| **Chapter -"Measurement"-Students will convert between different standards of measurement in order to solve problems.** | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Metric System-Students will identify the property tool and perform conversions using the metric system. | 67176 67177 67178 MA6712 MA6714 MA6716 |
| 2 | Customary System-Students will use correct tools and perform conversions using the customary system of measurement. | 67171 67172 67173 MA6722 MA6724 MA6726 |
| 3 | Measurement-Students will find the approximate measurement to the nearest unit and use reasonableness to determine the best unit for measurement. | MA6731 MA6732 |
| 4 | Time and Temperature-Students will estimate and find measures of time and elapsed time as well as customary and metric temperature. | MA6741 MA6742 |
| 5 | Area and Perimeter-Students will find area and perimeter of quadrilaterals. | MA6751 MA6752 |
| 6 | Problem Solving-Students will communicate the process for solving problems, describe the steps and solve a simpler problem in real-life problems. | MA6761 MA6762 |

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**Curriculum Report**

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Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Operations with Whole Numbers
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| **Chapter -"Operations with Whole Numbers"-Students will use addition, subtraction, multiplication and division strategies in order to solve problems.** | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Exponents and Square Roots-Students will evaluate expressions using exponents and square roots. | 67116 67123 67258 MA6212 MA6214 MA6215 MA6216 MA6218 |
| 2 | Order of Operations (GEMDAS)-Students will apply the order of operations in order to solve problems. | MA6221 MA6222 |
| 3 | Variables and Expressions-Students will use variables in order to simplify expressions. | MA6231 MA6232 MA6233 MA6234 |
| 4 | Properties of Addition and Multiplication-Students will apply properties of addition and multiplication when solving problems. | MA6241 MA6242 MA6243 MA6244 |
| 5 | Patterns and Sequences-Students will identify patterns, arithmetic and geometric sequences. | 67200 MA6252 MA6253 MA6254 |
| 6 | One-Step Equations with Whole Numbers-Students will solve one-step equations using only whole numbers. | MA6261 MA6262 MA6263 MA6264 |
| 7 | Perimeter-Students will find the perimeter of given shapes. | MA6271 MA6272 |
| 8 | Area-Students will identify the area of a given shape. | 67208 MA6282 |
| 9 | Problem Solving-Students will use choose the method for computation and use models and concrete objects to solve real-life problems. | MA6291 MA6292 |

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**Curriculum Report**

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Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Ratios, Proportions, Percents
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| **Chapter -"Ratios, Proportions, Percents"-Students will use rations, proportions and percents in order to solve problems.** | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Ratios and Proportions-Students will solve proportions and ratios as decimals and percents. | 67182 67183 MA6812 MA6814 |
| 2 | Solving Proportions and Unit Rates-Students will set up proportions and solve unit rates and problems using geometric pictures. | MA6821 MA6822 |
| 3 | Rate-Students will solve problems with rates and simple interest. | 67166 67192 MA6832 MA6834 |
| 4 | Scale and Indirect Measurement-Students will use grids to make scale drawings and use maps to find actual distance. | 67241 67242 MA6842 MA6844 |
| 5 | Percents-Students will show equivalent forms of percents in fractions and decimals and solve problems that are greater than 100%. | 67164 MA6852 MA6853 MA6854 |
| 6 | Circle Graphs-Students will read and interpret circle graphs and identify appropriate graphs given percent values. | MA6861 MA6862 |
| 7 | Solving Percent Problems-Students will find the percent of a number, the whole or the percent. | MA6871 MA6872 |
| 8 | Percent and Real-Life-Students will find price using sales tax and discounts. | 67165 MA6882 |
| 9 | Problem Solving-Students will make predictions from data and solve multi-step problems. | MA6891 MA6892 |

**Curriculum Report**

Print Close

Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Geometry
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| **Chapter -"Geometry"-Students will use geometric concepts in order to solve problems.** | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Basic Geometry Definitions-Students will identify points, rays, lines, line segments and planes. | MA6911 MA6912 |
| 2 | Angles-Students will measure and classify angles, solve problems involving unknown angles, find the sum of angles in polygons and identify special angles. | 67216 67218 67253 MA6922 MA6923 MA6924 MA6926 MA6927 MA6928 MA69210 |
| 3 | Classify Lines-Students will classify lines as parallel, perpendicular or skew. | MA6931 MA6932 |
| 4 | Classify Triangles-Students will identify similar triangles with proportions and classify by side or angle. | MA6941 MA6942 |
| 5 | Triangles-Students will find the missing measures using the Pythagorean Theorem. | 67252 MA6952 |
| 6 | Classify Polygons-Students will identify name of shape by sides. | MA6961 MA6962 |
| 7 | 3-Dimensional Figures-Students will identify characteristics of three-dimensional figures using faces, edges and vertices and identify different views. | MA6971 MA6972 MA6973 MA6974 |
| 8 | Classify Quadrilaterals-Students will classify quadrilaterals and find cross sections. | MA6981 MA6982 |
| 9 | Geometric Patterns-Students will find the missing term in a geometric pattern and use tessellations. | MA6991 MA6992 |
| 10 | Similar, Congruent Figures, Lines of Symmetry-Students will apply concepts of congruency, similarity and symmetry. | 67249 67251 MA69102 MA69104 |
| 11 | Transformations-Students will identify translations, rotations and reflections on a coordinate grid. | MA69111 MA69112 |
| 12 | Area-Students will estimate and find area of regular and irregular figures. Students will also compare diameter and radius. | 67160 MA69122 MA69123 MA69124 |

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| 13 | Circumference-Students will find area and circumference of a circle. | 67224 MA69132 |
| 14 | Proportional Change-Students will find missing sides with similar triangles. | 67254 MA69142 |
| 15 | Surface Area-Students will find the surface area. | 67225 67237 MA69152 MA69154 |
| 16 | Volume-Students will find volume of prisms, cubes and cylinders. | 67226 MA69162 |
| 17 | Problem Solving-Students will use a formula to solve a problem and relate math ideas to other content areas in real-life problems. | MA69171 MA69172 |

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**Curriculum Report**

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Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Functions and Probability
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| **Chapter -"Functions and Probability"-Students will identify and use functions and probability concepts.** | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Functions-Students will identify function relationships and solve and interpret on graphs. | 67202 MA61012 MA61013 MA61014 |
| 2 | Coordinate Graphing-Students will find the distance between two points and plot points on 4 quadrants. | 67245 67255 MA61022 MA61024 |
| 3 | Problem Solving-Students will draw conclusions from data and justify why an answer is reasonable. | MA61031 MA61032 |
| 4 | Introduction to Probability-Students will determine possible outcomes and represent probability with ratios. | 67167 67169 MA61042 MA61044 |
| 5 | Experimental and Theoretical Probability-Students will find the probability of an event. | 67168 MA61052 |
| 6 | Compound Events-Students will compare events, compliments and list outcomes using theoretical probability. | MA61061 MA61062 |
| 7 | Dependent and Independent Events-Students will identify different between dependent and independent events. | MA61071 MA61072 |
| 8 | Combinations and Permutations-Students will find combinations and permutations. | MA61081 MA61082 |
| 9 | Problem Solving-Students will solve problems by writing and equation and simplifying algebraic expressions. | MA61091 MA61092 |

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**Curriculum Report** Print Close

Report Type: Lesson vs. Learning Activities
Subject: Math
Grade: Sixth
Chapter: Practice
Lesson: All

Date: 8/28/2008
Report Name: N/A
Generated by: Jeff Hunt

| Chapter -"Practice"- | | |
|---|---|---|
| **Lesson Code** | **Lesson Title and Description** | **LA Number** |
| 1 | Read and Write Numbers-Students will use numeric digits and words to read and write numbers including the trillions. Students will use the signs <, > and = to order and compare numbers including the trillions. | 6632 6633 6634 |
| 2 | Round Numbers-Students round to the nearest thousand, nearest ten thousand, nearest hundred thousand and nearest million. Students develop number sense, identify different ways of representing numbers, and visualize and represent numerical relationships. | 6635 6636 |
| 3 | Divisibility Rules-Students will apply the divisibility rules of 2, 3, 4, 5, 6, 8, 9 and 10 to various numbers. (Divisibility, divide, division, number sense) | 67113 |
| 4 | Greatest Common Factor-Students will find the greatest common factor among 2 or more numbers. (Numeration, factor, GCF, greatest common factor, multiple) | 67115 67156 |
| 5 | Square Numbers-Students will identify square numbers. | 6B003 |
| 6 | Powers of 10-Students will identify powers of 10 through the 6th power. | 6643 6644 6B005 |
| 7 | Scientific Notation-Students will write numbers in scientific notation and convert scientific notation to standard form. (Scientific notation, powers of ten, exponent, base, decimal) | 6645 6646 |
| 8 | Compare Scientific Notation-Students will use the signs <, > and = to compare rational numbers in scientific notation. (Scientific notation, powers of ten, exponent, base, decimal, greater than, less than, equal, compare) | 67158 |
| 9 | Negative Numbers-Students will understand the concept of negative numbers using number line representations. | 6B004 |
| 10 | Number Line-Students will identify and represent integers and rational numbers on a number line. (Number lines, integers, rational numbers, intervals, converting fractions, improper fractions, mixed numbers, terminating decimals, repeating decimals) | 6710 6711 67147 |
| 11 | Inequality Symbols-Students will use the symbols <, > and = to compare integers. (Comparing integers, inequalities, less than, greater than, number lines) | 6714 6715 67148 |
| 12 | Absolute Value-Students will define absolute value and its | 67157 |

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| | opposite. (absolute value, opposites, integers, distance) | |
| 13 | Pi-Students will be introduced to pi. | 6B014 |
| 14 | Skills & Strategies-Students will analyze and solve problems using number-sense skills and strategies. Students will develop number sense, identify different ways of representing numbers, and visualize and represent numerical relationships. | 6647 6648 |
| 15 | Everyday Math-Students will identify mathematical concepts and apply them to everyday experiences. Students will develop number sense, identify different ways of representing numbers, and visualize and represent numerical relationships. | 6649 6650 |
| 16 | Properties-Students will describe and apply the commutative, associative, and distributive properties. (Algebra, properties, Commutative, Associative, Distributive) | 6651 67122 |
| 17 | Exponential Expressions-Students will evaluate exponential expressions and explore relationships of exponents and roots. (Exponent, base, power, index, square, root, square number, cubed number) | 6637 6638 6639 6640 |
| 18 | Order of Operations-Students will apply the order of operations including exponents and roots. (Orders of operations, PEMDAS, add, subtract, multiply, divide) | 67124 67194 |
| 19 | Add and Subtract Numbers-Students will add and subtract using five-digit numbers including subtracting across zeros. Students will use addition, subtraction, multiplication, and division of whole numbers in problem-solving situations. | 6652 |
| 20 | Estimate Sums and Differences-Students will estimate sums and differences. Students will use addition, subtraction, multiplication, and division of whole numbers in problem-solving situations. | 6653 |
| 21 | Whole Numbers (x and ÷)-Students will multiply and divide whole numbers. (Multiply, divide, remainder, factor, product, quotient, divisor, dividend, multiplication, division) | 6654 6655 |
| 22 | Inverse Operations-Students will understand that addition and subtraction are inverse operations. Students will understand that multiplication and division are inverse operations. | 6B001 6B002 |
| 23 | Estimate Products and Quotients-Students will estimate products and quotients using a variety of estimating techniques including front-end, compatible numbers and rounding. (Compatible numbers, front-end estimation, rounding, products, quotients, divide, multiplication, division, multip | 6656 6657 67154 |
| 24 | Mental Math-Students will demonstrate mental computation strategies for multiplication and division by powers of 10. Students will use addition, subtraction, multiplication, and division of whole numbers in problem-solving situations. | 6658 6659 |
| 25 | Division and Decimal Remainders-Students will solve division problems by writing the remainders as a decimal. (Divide, division, decimal remainders, quotients, divisor, dividend) | 67155 67195 |

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| 26 | Use a Calculator-Students will use a calculator to add, subtract, multiply and divide up to five-digit numbers. Students will use addition, subtraction, multiplication, and division of whole numbers in problem-solving situations. | 6662 6663 |
| 27 | Strategies to Add and Subtract-Students use a variety of problem-solving strategies to analyze and solve problems involving addition and subtraction. Students will use addition, subtraction, multiplication, and division of whole numbers in problem-solving situations. | 6660 6661 6664 6665 |
| 28 | Locating Fractions on a Number Line-Students will locate proper and improper fractions and mixed numbers on a number line. | 6B006 |
| 29 | Add and Subtract Mixed Numbers-Students will convert between mixed numbers and improper fractions and add and subtract mixed numbers and fractions having like and unlike denominators with regrouping. (Fractions, add, subtract, mixed numbers, improper fractions, denominators, numerators | 67119 67120 |
| 30 | Fraction Inequalities-Students will use the signs <, > and =, compare mixed numbers and fractions having like and unlike denominators. | 6666 6667 |
| 31 | Add and Subtract Fractions-Students will add and subtract mixed numbers and fractions having like and unlike denominators. | 6668 6669 |
| 32 | Add and Subtract Fractions and Whole Numbers-Students will add and subtract mixed numbers, whole numbers and proper and improper fractions having like and unlike denominators. | 6B007 |
| 33 | Multiply Mixed Numbers-Students will multiply mixed numbers by whole numbers and fractions. (Fractions, multiply, denominator, numerator, mixed numbers, improper fractions) | 6670 6671 67150 |
| 34 | Divide Fractions-Students will divide whole numbers by fractions, fractions by fractions and mixed numbers by whole numbers and fractions. (Fractions, divide, denominator, numerator, mixed numbers, improper fractions) | 6672 6673 6674 6675 67151 67152 |
| 35 | Read and Write Decimals-Students will read, write and order decimals to the nearest hundred thousandth. | 6676 6677 |
| 36 | Decimals in Expanded Form-Students will write decimals up to the hundred thousandths in expanded form. Students will demonstrate understanding of the mathematical concepts of fractions, decimals, ratios, and percentages. | 6678 6679 |
| 37 | Calculating Decimals-Students will round decimals to the nearest hundredth, to the nearest thousandth and to the nearest ten thousandth, estimate decimal sums and differences through the nearest hundred thousandth and add and subtract decimals through the hundred thousandths. | 6680 6681 6682 6683 6684 |
| 38 | Multiply Decimals-Students will multiply decimals and round decimals to the nearest hundredth, thousandth and ten thousandth. (Multiplying decimals, partial products, rounding decimals, estimation, place value) | 6686 6687 |
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| 39 | Divide Decimals-Students will divide decimals by whole numbers and decimals by other decimals. (Dividing decimals, remainders, compatible numbers, powers of ten) | 6688 6689 6690 6691 67181 |
| 40 | Estimate Products and Quotients of Decimals-Students will estimate products and quotients of decimals. | 6B009 6B010 6B011 |
| 41 | Fractions and Decimals-Students will convert between fractions and decimals. (Converting fractions, place value, reducing fractions, numerator, denominator, decimal equivalence) | 6692 6693 67187 |
| 42 | Repeating Decimals-Students will define and identify terminating and repeating decimals. (terminating decimals, quotient, repeating decimals) | 67189 6B008 |
| 43 | Convert between Numbers-Students will convert between fractions, decimals and percentages. | 6694 6695 67162 |
| 44 | Calculate the Percent-Students will calculate the percent of a number. (What is 25% of 100?) | 6696 6697 67163 |
| 45 | Use Percent to Find a Number-Students will find an unknown number when a percentage of the number is known. | 6698 6699 |
| 46 | Percents Greater than 100-Students will solve problems involving percentages greater than 100. (match with diagrams) | 6702 6703 |
| 47 | Percent Increase and Decrease-Students will solve problems involving percent increase and decrease such as sales tax and discounts. | 6700 6701 |
| 48 | Estimate Percent-Students will estimate percents. | 6B012 |
| 49 | Simple Interest-Students will solve problems using simple interest. | 67191 |
| 50 | Compare Variables and Ratios-Students will compare two values or variables as ratios, using appropriate notations such as a/b, a to b and a:b. | 6704 |
| 51 | Proportions-Students will solve proportions including problems involving proportions with one unknown through cross products. | 6706 6707 |
| 52 | Rates-Students will solve problems involving rates. | 67196 |
| 53 | Skills and Strategies-Students will analyze and solve word problems using fraction, decimal, ratio and percentage skills and strategies. | 6708 6709 |
| 54 | Identify Pattern Rules-Students will identify and apply pattern rules using diagrams, charts, lists and tables. Students will identify and extend figurate number patterns. (triangular, square, etc.) | 6801 6802 |
| 55 | Function Rules-Students will express function rules using algebraic symbols. (e.g. add 2 expressed as n + 2) | 6803 6804 67201 |
| | Function Tables-Students will identify functional | |

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| 56 | relationships and complete function tables. Students will identify algebraically the rule used to generate a group of ordered pairs. | 6805 67207 |
| 57 | Using Patterns and Functions-Students will solve problems and model real-world situations using patterns and functions. | 6806 6807 |
| 58 | Add and Subtract Integers-Students will add and subtract integers and define the Additive Inverse, Identity Element of Addition and the Equality Property. | 6716 6717 |
| 59 | Multiply and Divide Integers-Students will multiply and divide integers and define the multiplicative inverse, zero property, identity element of multiplication and the equality property. | 67204 |
| 60 | Integers Everyday-Students use integers in real-life situations. | 6718 6719 |
| 61 | Simplify Expressions-Students will simplify algebraic expressions. | 6809 6810 67205 67211 |
| 62 | Solve One-Step Equations-Students will solve one-step algebraic equations with a variable and express the solution on a number line. | 67212 |
| 63 | Solve Two-Step Equations-Students will solve two-step algebraic equations with a variable and express the solution on a number line. | 6811 6812 67213 |
| 64 | Simple Linear Word Problems-Students will write and solve simple linear equations for word problems and explain reasoning orally or in writing. | 6813 6814 |
| 65 | Inequalities-Students will solve algebraic inequalities with a variable. Students will graph the solution set of an algebraic inequality on a number line. | 67214 67215 |
| 66 | Points-Segments-Rays-Lines-Students will identify and draw points, line segments, angles, rays, planes, parts of a circle and horizontal, vertical, perpendicular, parallel and intersecting lines. | 6720 6721 66948 67257 |
| 67 | Open and Closed Figures-Students will identify whether figures are open or closed. | 6B013 |
| 68 | Geometric Shapes-Students will classify, describe and compare two-dimensional geometric figures. Students will define and identify attributes of three-dimensional figures. | 6722 6723 6728 6729 67159 |
| 69 | Construct Parallelograms-Students will use a ruler and compass to construct parallelograms. | 6730 6731 |
| 70 | Circles-Students will investigate and determine the relationship between the diameter and circumference of a circle and the value of pi. | 67161 |
| 71 | Angle Measures-Students will use a protractor to measure and classify acute, right, obtuse and straight angles. | 6734 6735 6736 6737 |
| 72 | Bisectors-Students will define and identify altitudes, midpoints, diagonals, angle bisectors and perpendicular bisectors. | 6732 6733 6738 6739 67217 |

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| 8 | Angle Relationships-Students will define and identify adjacent, vertical, interior, exterior, complementary and supplementary angles. Students will define and identify alternate interior, alternate exterior, corresponding and vertical angles. | 67219 |
| 73 | Construct Triangles-Students will use a compass and straightedge to construct equilateral, right and isosceles triangles. | 6740 6741 |
| 74 | Properties of Triangles-Students will find the measure of the third angle of triangles when given the measure of two angles. | 6742 6743 |
| 75 | Similar Triangles-Students will use proportions to find the length of a missing side when given the length of two sides of similar triangles. | 6744 6745 |
| 76 | Plotting Points-Students will plot points on a four quadrant coordinate plane by determining and using ordered pairs of positive and negative whole numbers. | 6724 6725 |
| 77 | Transformations-Students will locate, give the coordinates of and graph plane figures which are the results of translations or reflections in the first quadrant. | 67256 |
| 78 | Symmetry-Students will explore line and rotational symmetry of objects using transformations. | 67250 |
| 79 | Cross Sections-Students will identify and classify cross sections of three-dimensional figures. | 67236 |
| 80 | Geometric Models-Students will use geometric models to solve problems using two-dimensional attributes of three-dimensional figures. | 67238 |
| 81 | Distances on Maps-Students will use proportional reasoning to determine distances on a map. | 6795 6796 |
| 82 | Geometry Everyday-Students will identify and use geometric concepts in areas other than mathematics such as science, architecture, art and everyday life. | 6758 |
| 83 | Units of Time-Students will identify varied units of time including seconds, minutes, hours, days, weeks, months, years, decades, centuries and millenniums. Students will relate time by using fractions of an hour or a year. | 6791 6792 67197 |
| 84 | Elapsed Time-Students will use schedules, calendars and elapsed time to solve real-world problems. Students will interpret and create time schedules. Students will solve problems involving time zones. | 6793 6794 67198 |
| 85 | Rates-Students solve problems involving rates, average speed, distance and time. | 67199 67206 |
| 86 | Estimate Measurements-Students will estimate the length, weight/mass and capacity/volume of an object and compare the estimate with an actual measurement. | 6785 6786 |
| 87 | Indirect Customary Measurement-Students will determine lengths, weights and capacities using proportional reasoning and indirect measurement. | 67180 |
| 88 | Converting Metric Units-Students will choose the proper tool/unit for measurement and convert between units in the | 6787 6788 |

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| | metric system. | |
| 89 | Indirect Metric Measurement-Students will determine length, mass and capacity using proportional reasoning and indirect measurement. | 67179 |
| 90 | Add and Subtract Common Units-Students will use common units of measurement when solving problems involving addition and subtraction of different units. | 6789 6790 |
| 91 | Problems Involving Measurement-Students will select and use appropriate units, tools and formulas to solve problems involving length, area, time, temperature, capacity and weight. | 6799 6800 |
| 92 | Comparing Units-Students will make comparisons with measurements in metric and customary units. Students determine the best unit for measurement. | 67184 |
| 93 | Converting Between Systems-Students will convert units from one system to another. | 67185 |
| 94 | Indirect Measurement-Students will determine missing units using proportional reasoning and indirect measurement. | 67186 67193 |
| 95 | Relate Scale to Ratio-Students will make scale drawings using centimeter grids to relate scale to ratio. | 6797 6798 |
| 96 | Perimeter and Area Formulas-Students will use formulas to calculate the perimeter and area of triangles and parallelograms. (breaking polygons into components) | 6746 6747 67209 |
| 97 | Triangle Area and Perimeter-Students will use the formulas A = (1/2)bh and P = s1 + s2 + s3 to find the area and perimeter of triangles. | 6748 6749 |
| 98 | Comparing Perimeter and Area-Students will compare perimeter and area and understand that two figures can have the same measures on one attribute but not on another. | 67210 67220 |
| 99 | Circumference and Area-Students will use formulas to calculate the area and circumference of circles. | 6750 6751 |
| 100 | Rectangle Prism Volume-Students will use the formula volume = area of base x height (V = A x h) to find the volume of rectangular prisms. | 6752 6753 |
| 101 | Use a Calculator-Students will use a calculator to find the area of triangles and parallelograms, the volume of rectangular prisms and the circumference of circles. | 6754 6755 |
| 102 | Collecting and Organizing Data-Students will identify steps involved with conducting a survey to generate accurate data. Students will record and organize data in a clear and concise manner using tally tables and frequency tables. | 6762 6763 |
| 103 | Summarize Data-Students will summarize data by determining the range, outliers and measures of central tendency (mean, mode, median) based on given data. | 6760 6761 6764 6765 |
| 104 | Graphs that Compare-Students will create and interpret graphs that compare including bar graphs, histograms and circle graphs based on given data. | 67230 67231 |
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| 105 | Organizing Population Data-Students will use a variety of sources to collect, organize and display data about local, state, national and world populations. | 6766 6768 |
| 106 | Data in Tables and Graphs-Students will solve problems requiring interpretation and application of data organized in tables and graphs. | 6769 6770 |
| 107 | Events and Complements-Students will calculate the probability of an event and its complement. (odds for and against, in proportions and percentages) | 6777 6778 |
| 108 | Probability-Students will analyze and solve problems using ratio, percentage and probability skills and strategies. Students will explore the terms fair and equally likely in game events. | 6781 6782 67170 |
| 109 | Ratios-Students will determine and express ratios in a variety of ways and find and use equivalent ratios and express them as decimals and percentages. | 6771 6772 6773 6774 |