Student Learning Report: Grade 5 Math

Name _____

Process Content Process

Whole Number Operations

Process: Tools to Know		Notes	Check Up		
Applying Math in Everyday Situations	☐ I can determine what math I need to use to solve a problem. 5.1(A)				
Using Problem Solving Models	☐ I can use a problem-solving model to solve a problem. 5.1(B)				

Content		Notes	Check Up		
Estimation of Whole Numbers	☐ I can round whole numbers or use compatible numbers to estimate the solution to an addition, subtraction, multiplication, or division problem. 5.3(A)				
Addition/ Subtraction of Whole Numbers	☐ I can add and subtract whole numbers quickly and accurately up to 100,000. 5.3(K)				
Multiplication/ Division of Whole Numbers	☐ I can multiply a three-digit number by a two-digit number. 5.3(B)				
	☐ I can divide a four-digit number by a two-digit number. 5.3(C)				
Numerical Expressions	☐ I can simplify a numeric expression that includes parentheses and brackets. 5.4(E), 5.4(F)				
All Operations of Whole Numbers	☐ I can represent and solve a multi-step problem. 5.4(B)				

Process: Ways to Show		Notes	Check Up		
Creating/Using Representations	☐ I can create a representation of my math solution and explain it to another person. 5.1(E)				
Analyzing Information	☐ I can describe and connect math ideas. 5.1(F)				

Decimals

Process: Tools to Know		Notes	Check Up		
Applying Math in Everyday Situations	☐ I can determine what math I need to use to solve a problem. 5.1(A)				
Using Problem Solving Models	☐ I can use a problem-solving model to solve a problem. 5.1(B)				

Content		Notes	Check Up		
Representation of Decimals	☐ I can represent the value of a decimal using expanded notation. 5.2(A)				
Comparison of Decimals	☐ I can compare two decimal values using >, <, or =. 5.2(B)				
Estimation of Decimals	☐ I can round a decimal to the tenths and the hundredths place. 5.2(C)				
	☐ I can round decimals or use compatible numbers to estimate the solution to an addition, subtraction, multiplication, or division problem. 5.3(A)				
Addition/ Subtraction of Decimals	☐ I can add and subtract decimals quickly and accurately. 5.3(K)				
Multiplication of Decimals	☐ I can multiply decimals. 5.3(E)				
	☐ I can represent the multiplication of decimals with objects or a picture. 5.3(D)				
Division of Decimals	☐ I can divide decimals. 5.3(G)				
	☐ I can represent the division of decimals with objects or a picture. 5.3(F)				
Numerical Expressions	☐ I can simplify a numeric expression that includes parentheses and brackets. 5.4(E), 5.4(F)				

Process: Ways to Show		Notes	Check Up		
Creating/Using Representations	☐ I can create a representation of my math solution and explain it to another person. 5.1(E)				
Analyzing Information	☐ I can describe and connect math ideas. 5.1(F)				

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Process
Content
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Fractions

Process: Tools to Know		Notes	Check Up		
Applying Math in Everyday Situations	☐ I can determine what math I need to use to solve a problem. 5.1(A)				
Using Problem Solving Models	☐ I can use a problem-solving model to solve a problem. 5.1(B)				

Content		Notes	Check Up		
Estimation of Fractions	☐ I can use benchmark fractions to estimate the solution to an addition, subtraction, multiplication, or division problem. 5.3(A)				
Addition/ Subtraction of Fractions	☐ I can add and subtract fractions with unlike denominators quickly and accurately. 5.3(K)				
	☐ I can add and subtract a variety of rational numbers quickly and accurately. 5.3(K)				
	☐ I can represent the addition and subtraction of fractions with unlike denominators with objects or a picture. 5.3(H)				
	☐ I can identify a prime number and a composite number. 5.4(A)				
Multiplication of Fractions	☐ I can represent the multiplication of a whole number and a fraction with objects or a picture. 5.3(I)				
Division of Fractions	☐ I can divide a unit fraction by a whole number. 5.3(L)				
	☐ I can divide a whole number by a unit fraction. 5.3(L)				
	☐ I can explain how $\frac{1}{2} \div 4$ is different from $4 \div \frac{1}{2}$ with objects or pictures. 5.3(J)				

Process: Ways to Show		Notes	Check Up		
Creating/Using Representations	☐ I can create a representation of my math solution and explain it to another person. 5.1(E)				
Analyzing Information	☐ I can describe and connect math ideas. 5.1(F)				

Process
Content
Process

Graphing on Coordinate Plane

Process: Tools to Know		Notes	Check Up		
Applying Math in Everyday Situations	☐ I can determine what math I need to use to solve a problem. 5.1(A)				
Using Problem Solving Models	☐ I can use a problem-solving model to solve a problem. 5.1(B)				

Content		Notes	Check Up		
Coordinate Plane	☐ I can graph data on a coordinate plane when given a number pattern or table of data. 5.8(C)				
	☐ I can describe a coordinate plane using the words origin, *x*-axis, *y*-axis and ordered pair. 5.8(A)				
	☐ I can explain how to graph an ordered pair on a coordinate plane. 5.8(B)				
Graphing Numerical Patterns	☐ I can create a number pattern when given a rule and graph the data. 5.4(C)				
	☐ I can tell the difference between an additive and multiplicative pattern when given a table. 5.4(D)				
	☐ I can tell the difference between an additive and multiplicative pattern when given a graph. 5.4(D)				

Process: Ways to Show		Notes	Check Up		
Creating/Using Representations	☐ I can create a representation of my math solution and explain it to another person. 5.1(E)				
Analyzing Information	☐ I can describe and connect math ideas. 5.1(F)				

Process
Content
Process

Geometry and Measurement

Process: Tools to Know		Notes	Check Up		
Applying Math in Everyday Situations	☐ I can determine what math I need to use to solve a problem. 5.1(A)				
Using Problem Solving Models	☐ I can use a problem-solving model to solve a problem. 5.1(B)				

Content		Notes	Check Up		
Two-Dimensional	☐ I can classify two-dimensional figures using a graphic organizer. 5.5(A)				
Perimeter/Area/ Volume	☐ I can represent and solve perimeter problems. 5.4(H)				
	☐ I can represent and solve area problems. 5.4(H)				
	☐ I can represent and solve volume problems. 5.4(H)				
	☐ I can use objects or pictures to represent the formula for the volume of a rectangular prism. 5.6(A), 5.6(B), 5.4(G)				
Conversions	☐ I can convert measurements. 5.7(A)				

Process: Ways to Show		Notes	Check Up		
Creating/Using Representations	☐ I can create a representation of my math solution and explain it to another person. 5.1(E)				
Analyzing Information	☐ I can describe and connect math ideas. 5.1(F)				

Process
Content
Process

Data Analysis

Process: Tools to Know		Notes	Check Up		
Applying Math in Everyday Situations	☐ I can determine what math I need to use to solve a problem. 5.1(A)				
Using Problem Solving Models	☐ I can use a problem-solving model to solve a problem. 5.1(B)				

Content		Notes	Check Up		
Representation of Data	☐ I can represent data on a bar graph and frequency table. 5.9(A)				
	☐ I can represent data on a dot plot. 5.9(A)				
	☐ I can represent data on a stem-and-leaf plot. 5.9(A)				
	☐ I can represent data on a scatterplot. 5.9(B)				
Interpretation of Data	☐ I can solve problems using data from a frequency table, dot plot, bar graph, stem-and-leaf plot, or scatterplot. 5.9(C)				

Process: Ways to Show		Notes	Check Up		
Creating/Using Representations	☐ I can create a representation of my math solution and explain it to another person. 5.1(E)				
Analyzing Information	☐ I can describe and connect math ideas. 5.1(F)				

Process
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Process

Personal Financial Literacy

Process: Tools to Know		Notes	Check Up		
Applying Math in Everyday Situations	☐ I can determine what math I need to use to solve a problem. 5.1(A)				
Using Problem Solving Models	☐ I can use a problem-solving model to solve a problem. 5.1(B)				

Content		Notes	Check Up		
Budgets	☐ I can explain what I would do if my expenses were more than my income. 5.10(E)				
	☐ I can set up a budget. 5.10(D), 5.10(F)				
	☐ I can compare and contrast different ways of paying for things including paying by check, credit card, debit card, or electronic payment. 5.10(C)				
Taxes	☐ I can define income tax, payroll tax, sales tax, and property tax. 5.10(A)				
	☐ I can explain the difference between gross income and net income. 5.10(B)				

Process: Ways to Show		Notes	Check Up		
Creating/Using Representations	☐ I can create a representation of my math solution and explain it to another person. 5.1(E)				
Analyzing Information	☐ I can describe and connect math ideas. 5.1(F)				