# 5th Grade Math PWMance 20-21

MA 5.1.1.	MA5 .1.1.b	MA 5.1.1.	a	MA.5.1.1 Numeric Relationships	MA 5.1 NUMBER	
Round whole numbers and decimals to any given place	Compare whole numbers, fractions, mixed numbers, and decimals through the thousandths place and represent comparisons using symbols <,>, or =.	representations for whole numbers and decimals through the thousandths place using standard form, word form, and expanded notation	Determine multiple equivalent	Students will demonstrate, represent, and show relationships among whole numbers, fractions, and desimple within-the base-ten furniber system.	Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines	5th Grade
3/9	1/19	8/20	116		•	Date Taught
rounding decimals	comparing whole #s comparing decimals comparing fractions	(mord + standard)	expanded notation			Activities
up to thousandths	10	-independent practice	- expanents			Assessment

MA 5.1.2.c	MA 5.1.2.b	MA 5.1.2.a	VIA 5.1.2 Operations	MA 5.1.1.e	MA 5.1.1.d
Multiply a whole number by a fraction or a fraction by a fraction using models and visual representations	Divide four-digit whole numbers by a two-digit divisor, with and without remainders using the standard algorithm	Multiply multi-digit whole numbers using the standard algorithm	Students will demonstrate the meaning of operations and compute accurately with whole numbers, fractions, and decimals	Write powers of 10 with exponents	Recognize and generate equivalent forms of commonly used fractions, decimals, and percents (e.g., halves, thirds, fourths, fifths, and tenths
1/7	2/18	7024		4/16	9/1
fraction by 9	divide by down	multiply by two multiply 3 digit by 3		writing powers of 10	Fraction manipulatives whole group
fraction	5 0	digit numbers.		10 W/ exponents	whole group

MA 5.1.2.h	MA 5.1.2.g	MA 5.1.2.f	MA 5.1.2.e	MA 5.1.2.d
Add and subtract fractions and mixed numbers with unlike denominators	Add, subtract, multiply, and divide decimals to the hundredths using concrete models or drawings and strategies based on place value, properties of operations (i.e. Commutative, Associative, Distributive, Identity, Zero), and/or relationships between operations	Interpret a fraction as division of the numerator by the denominator	Explain division of a whole number by a fraction using models and visual representations	Divide a unit fraction by a whole number and a whole number by a unit fraction.Divide a unit fraction by a whole number and a whole number by a unit fraction up to a four-digit whole number by a one-digit divisor with and without a remainder
0	9/14	12/10	12/1	218
Add/subtract - like	Identity, Zero Properti- muthply decimal	converting "top ha vy" fractions	3 of 12 Small	divide by two fractions divide fraction by w
denaminadura		by" fractions	groups manipulatives	by whele #

MA 5.2.2 Algebraic Processes	MA 5.2.1.a	MA 5.2.1 Algebraic Relationships	MA 5.2 ALGEBRA	MA 5.1.2.j	MA 5.1.2.i
Students with apply the operational properties when evaluating expressions and septing equations	Form ordered pairs from a rule such as y=2x, and graph the ordered pairs on a coordinate plane	Studens will demonstrate, represent and show relations with expressions and equations	Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines	Multiply and divide by powers of 10	Determine the reasonableness of computations involving whole numbers, fractions, and decimals
	2/11			922	47
	graping in			Divide by 10s	determining reasonal
	quadrant 1			boardwork & TX	als and rableness

MA 5.3.1.a	MA 5.3.1 Characteristics	MA 5.3 GEOMETRY	MA 5.2.3.a	MA 5.2.3 Applications	MA 5.2.2.a
Identify three-dimensional figures including cubes, cones, pyramids, prisms, spheres, and cylinders	Students will identify and describe geometric characteristics and create two-end three-dimensional shapes.	Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Solve real-world problems involving addition and subtraction of fractions and mixed numbers with like and unlike denominators	Students will solve real-world problems involving equations with fractions and mixed numbers.	Interpret and evaluate numerical or algebraic expressions using order of operations (excluding exponents)
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MA 5.3.3 Measurenient	MA 5.3.2.b	MA 5.3.2.a	MA 5.3.2 Coordinate Geometry	MA 5.3.1.c	MA 5.3.1.b
Students will perform and compare measurements and apply formulas	Graph and name points in the first quadrant of the coordinate plane using ordered pairs of whole numbers.	Identify the origin, x axis, and y axis of the coordinate plane	Students will determine location, orienfation, and relationships on the cognitivate plane.	Justify the classification of two- dimensional figures based on their properties	Identify faces, edges, and vertices of rectangular prisms
	2/11	29		9/30	9/30
	Graphing in qua	coordinate plan		independent pra	independent pr
	crant 1 - battleship	- Independent		HCL 1-36	achce 1-30

MA 5.4.2 Analysis & I Applications	MA 5.4.1 Representations	MA 5.4 DATA	MA 5.3.3.c	MA 5.3.3.b	MA 5.3.3.a
Stadents will analyze data to address the situation.	Students will create displays that represent data	Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines	Generate conversions within the customary and metric systems of measurement	Use concrete models to measure the volume of rectangular prisms in cubic units by counting cubic units	Recognize that solid figures have volume that is measured in cubic units
	12/10		11/20	11/8	3/17
	Creating grap		whole group	Volume	volume
	10 70		practice. Nitter	country cuses	counting cubes

MA 5.4.3 Probability	MA 5.4.2.b		MA 5.4.2.a
Students will interpret and apply concepts of probability	Formulate questions that can be addressed with data and make predictions about the data	Use observations, surveys, and experiments to collect, represent, and interpret the data using tables (e.g., frequency charts) and bar graphs	Use observations, surveys, and experiments to collect, represent, and interpret the data using tables (e.g., frequency charts) and bar graphs
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	Investigation 6	Inv. 6	created survey a
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