4th Grade Report Card

Math	MP1	MP2	MP3	MP4
4.OA.A.2: Multiply or divide within 1000 to solve word				
problems involving multiplicative comparison.				
4.OA.A.3: Solve multi-step word problems using the four				
operations, including problems in which remainders must be				
interpreted. Understand how the remainder is a fraction of				
the divisor.				
4.NBT.A.1: Apply concepts of place value, multiplication, and				
division to understand that in a multi-digit whole number, a				
digit in one place represents ten times what it represents in				
the place to its right.				
4.NBT.A.2: Read, write, and compare multi-digit whole				
numbers using base-ten numerals, number names, and				
expanded form using >, <, and = symbols.				
4.NBT.B.4: Fluently add and subtract multi-digit whole				
numbers using a standard algorithm.				
4.NBT.B.5: Multiply a whole number of up to four digits by a				
one-digit whole number.				
4.NBT.B.6: Find whole-number quotients and remainders with				
up to four-digit dividends and one-digit divisors.				
4.NF.B.3b: Decompose a fraction into a sum of fractions with				
the same denominator in more than one way.				
4.NF.B.3c: Add and subtract mixed numbers with like				
denominators.				
4.NF.B.3d: Solve word problems involving addition and				
subtraction of fractions having like denominators.				
4.NF.B.4: Build fractions from unit fractions.				
4.NF.C.6: Use decimal notation for fractions with				
denominators 10 (tenths) or 100 (hundredths) and locate				
these decimals on a number line.				
4.NF.C.7: Compare two decimals to hundredths by reasoning				
about their size, and record the results with the symbols <, >,				
and =.				
4.MD.A.3: Apply the area and perimeter formulas for				
rectangles in mathematical problems and real-word context,				
including problems with unknown side lengths.				
4.MD.C.6: Measure angles in whole-number degrees using a				
protractor. Sketch angles of specified measure.				
4.G.A.1: Draw points, lines, line segments, rays, angles (right,				
acute, obtuse) and perpendicular and parallel lines.				

<u>KEY</u>

- Everyday Math **Benchmark Expectations** by Quarter
- **Major Cluster** of Arizona State Standards
- Supporting Cluster of Arizona State Standards
- No Benchmark Expectation at this point/<u>No Grade</u>

4.0A.A:	Use the four operation	ations with whole r	numbers to solve p	roblems.
4.OA.A.2:	Multiply or divide withir	n 1000 to solve word pro	blems involving multipli	cative comparison.
	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4	Multiplies <u>or</u> divides	Multiplies <u>or</u> divides	Multiplies <u>or</u> divides	Multiplies <u>or</u> divide
Highly	within 1000 to solve	within 1000 to solve	within 5000 to solve	within 5000 to solve
Proficient	word problems	word problems	word problems	word problems
	involving	involving	involving	involving
	multiplicative	multiplicative	multiplicative	multiplicative
	comparison.	comparison.	comparison.	comparison.
3	Identifies a number	Solves multiplicative	Multiplies <u>or</u> divides	Multiplies <u>or</u> divides
Proficient	story as additive or	comparison number	within 1000 to solve	within 1000 to solve
	multiplicative and	stories using	word problems	word problems
	explains how you	multiplication.	involving	involving
	know.		multiplicative	multiplicative
			comparison.	comparison.
2	Inconsistently	Identifies a number	Solves multiplicative	Inconsistently
Partially	identifies a number	story as additive or	comparison number	multiplies <u>or</u> divides
Proficient	story as additive or	multiplicative and	stories using	within 1000 to solve
	multiplicative and	explains how you	multiplication.	word problems
	explains how you	know.		involving
	know.			multiplicative
				comparison.
1	Unable to identify a	Unable to or	Unable to or	Unable to or
Minimally	number story as	inconsistently	inconsistently	inconsistently solves
Proficient	additive or	identifies a number	identifies a number	multiplicative
	multiplicative and	story as additive or	story as additive or	comparison number
	explain how you	multiplicative and	multiplicative and	stories using
	know.	explains how you	explains how you	multiplication.
		know.	know.	

4.OA.A: Use the four operations with whole numbers to solve problems.

4.OA.A.3: Solve multi-step word problems using the four operations, including problems in which remainders must be interpreted. Understand how the remainder is a fraction of the divisor.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4 Highly Proficient	Solves multi-step word problems using the four operations, including problems in which remainders must be interpreted. Understands how the remainder is a fraction of the divisor. Assesses the reasonableness of answers using mental computation and estimation strategies, including rounding.	Solves multi-step word problems using the four operations, including problems in which remainders must be interpreted. Understands how the remainder is a fraction of the divisor. Assesses the reasonableness of answers using mental computation and estimation strategies, including rounding.	Solves multi-step word problems using the four operations, including problems in which remainders must be interpreted. Understands how the remainder is a fraction of the divisor. Assesses the reasonableness of answers using mental computation and estimation strategies, including rounding.	Solves multi-step word problems using the four operations, including problems in which remainders must be interpreted. Uses decimal notation for the remainders.
3 Proficient	Solves addition and subtraction multi-step number stories and <u>estimates</u> to generate a reasonable answer.	Makes sense of and articulates a plan for solving multi-step number stories involving addition, subtraction and multiplication and assesses the reasonableness by <u>comparing the answers</u> to an estimate.	Solves and articulates a plan for solving multi-step number stories involving addition, subtraction, and multiplication and assess the reasonableness of the answers by <u>comparing them to the</u> <u>estimates</u> .	Solves multi-step word problems using the four operations, including problems in which remainders must be interpreted. Understands how the remainder is a fraction of the divisor. Assesses the reasonableness of answers using mental computation and estimation strategies, including rounding.
2 Partially Proficient	Inconsistently solves addition and subtraction multi-step number stories.	Solves addition and subtraction multi-step number stories.	Makes sense of and articulates a plan for solving multi-step number stories involving addition, subtraction and multiplication.	Solves and articulates a plan for solving multi-step number stories involving addition, subtraction, and multiplication and assess the reasonableness of the answers by comparing them to the estimates.
1 Minimally Proficient	Unable to solve addition and subtraction multi-step number stories.	Unable to solve or nconsistently solves addition and subtraction multi-step number stories.	Unable to solve or nconsistently solves addition and subtraction multi-step number stories.	Unable to solve or nconsistently makes sense of and articulates a plan for solving multi-step number stories involving addition, subtraction and mutiplication.

4.NBT.A: Generalize place value understanding for multi-digit whole numbers. 4.NBT.A.1: Apply concepts of place value, multiplication, and division to understand that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4	Applies concepts of	Recognizes that in a	Recognizes that in a	Recognizes that in a
Highly	place value,	multi-digit number, a	multi-digit number, a	multi-digit number, a
Proficient	multiplication, and	digit in one place	digit in one place	digit in one place
	division to	represents 10 times	represents 10 times	represents 10 times
	understand that in a	what it represents in	what it represents in	what it represents in
	multi-digit whole	the place to its right	the place to its right	the place to its right
	number, a digit in	and 1/10 of what it	and 1/10 of what it	and 1/10 of what it
	one place represents	represents in the	represents in the	represents in the
	ten times what it	place to its left.	place to its left.	place to its left.
	represents in the	(5.NBT.A.1)	(5.NBT.A.1)	(5.NBT.A.1)
	place to its right.			
3	Recognizes the	Applies concepts of	Applies concepts of	Applies concepts of
Proficient	relationships	place value,	place value,	place value,
	between place values	multiplication, and	multiplication, and	multiplication, and
	that are up to 100	division to	division to	division to
	times as large as	understand that in a	understand that in a	understand that in a
	another place.	multi-digit whole	multi-digit whole	multi-digit whole
		number, a digit in	number, a digit in	number, a digit in
		one place represents	one place represents	one place represents
		ten times what it	ten times what it	ten times what it
		represents in the	represents in the	represents in the
		place to its right.	place to its right.	place to its right.
2	Inconsistently	Recognizes the	Recognizes the	Recognizes the
Partially	recognizes the	relationships	relationships	relationships
Proficient	relationships	between place values	between place values	between place values
	between place values	that are up to 100	that are up to 100	that are up to 100
	that are up to 100	times as large as	times as large as	times as large as
	times as large as	another place.	another place.	another place.
	another place.			
1	Not able to recognize	Unable to or	Unable to or	Unable to or
Minimally	the relationships	inconsistently	inconsistently	inconsistently
Proficient	between place values	recognizes the	recognizes the	recognizes the
	that are up to 100	relationships	relationships	relationships
	times as large as	between place values	between place values	between place values
	another place.	that are up to 100	that are up to 100	that are up to 100
		times as large as	times as large as	times as large as
		another place.	another place.	another place.

4.NBT.A: Generalize place value understanding for multi-digit whole numbers. 4.NBT.A.2: Read, write, and compare multi-digit whole numbers using base-ten numerals, number names, and expanded form using >, <, and = symbols.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4	Reads, writes, and	Identifies the values	Identifies the values	Identifies the values
Highly	compares multi-digit	of digits in a given	of digits in a given	of digits in a given
Proficient	whole numbers using	whole number. Write	whole number. Write	whole number. Write
	base-ten numerals,	whole numbers in	whole numbers in	whole numbers in
	number names, and	which digits represent	which digits represent	which digits represent
	expanded form using	given values.	given values.	given values.
	>, <, and = symbols.	(5.NBT.1)	(5.NBT.1)	(5.NBT.1)
3	Reads, identifies,	Reads, writes, and	Reads, writes, and	Reads, writes, and
Proficient	expands, compares,	compares multi-digit	compares multi-digit	compares multi-digit
	and orders numbers	whole numbers using	whole numbers using	whole numbers using
	through the hundred	base-ten numerals,	base-ten numerals,	base-ten numerals,
	thousands.	number names, and	number names, and	number names, and
		expanded form using	expanded form using	expanded form using
		>, <, and = symbols.	>, <, and = symbols.	>, <, and = symbols.
2	Inconsistency in	>, <, and = symbols. Reads, identifies,	>, <, and = symbols. Reads, identifies,	>, <, and = symbols. Reads, identifies,
2 Partially	Inconsistency in reading, identifying,	 >, <, and = symbols. Reads, identifies, expands, compares, 	 >, <, and = symbols. Reads, identifies, expands, compares, 	>, <, and = symbols. Reads, identifies, expands, compares,
2 Partially Proficient	Inconsistency in reading, identifying, expanding,	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers
2 Partially Proficient	Inconsistency in reading, identifying, expanding, comparing, and	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred	<pre>>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred</pre>
2 Partially Proficient	Inconsistency in reading, identifying, expanding, comparing, and ordering numbers	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands.	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands.	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands.
2 Partially Proficient	Inconsistency in reading, identifying, expanding, comparing, and ordering numbers through the hundred	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands.	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands.	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands.
2 Partially Proficient	Inconsistency in reading, identifying, expanding, comparing, and ordering numbers through the hundred thousands.	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands.	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands.	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands.
2 Partially Proficient	Inconsistency in reading, identifying, expanding, comparing, and ordering numbers through the hundred thousands. Unable to read,	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or
2 Partially Proficient	Inconsistency in reading, identifying, expanding, comparing, and ordering numbers through the hundred thousands. Unable to read, identify, expand,	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads,	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads,	 >, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads,
2 Partially Proficient 1 Minimally Proficient	Inconsistency in reading, identifying, expanding, comparing, and ordering numbers through the hundred thousands. Unable to read, identify, expand, compare, and order	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads, identifies, expands,	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads, identifies, expands,	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads, identifies, expands,
2 Partially Proficient 1 Minimally Proficient	Inconsistency in reading, identifying, expanding, comparing, and ordering numbers through the hundred thousands. Unable to read, identify, expand, compare, and order numbers through the	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads, identifies, expands, compares, and orders	>, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads, identifies, expands, compares, and orders	 >, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads, identifies, expands, compares, and orders
2 Partially Proficient	Inconsistency in reading, identifying, expanding, comparing, and ordering numbers through the hundred thousands. Unable to read, identify, expand, compare, and order numbers through the hundred thousands.	 >, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads, identifies, expands, compares, and orders numbers through the 	 >, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads, identifies, expands, compares, and orders numbers through the 	 >, <, and = symbols. Reads, identifies, expands, compares, and orders numbers through the hundred thousands. Unable to or inconsistently reads, identifies, expands, compares, and orders numbers through the

4.NBT.B: Use place value understanding and properties of operations to perform multi-digit arithmetic.

4.NBT.B.4	4.NBT.B.4: Fluently add and subtract multi-digit whole numbers using a standard algorithm.			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4 Highly	<u>Fluently</u> adds and subtracts multi-digit	Uses grids to add and subtract decimals.	Uses grids to add and subtract decimals.	Uses grids to add and subtract decimals.
Proficient	whole numbers using	Uses algorithms to	Uses algorithms to	Uses algorithms to
	a <u>standard algorithm</u> .	add and subtract	add and subtract	add and subtract
		decimals through	decimals through	decimals through
		tenths with	tenths with	tenths with
		regrouping and	regrouping and	regrouping and
		through hundredths	through hundredths	through hundredths
		without regrouping.	without regrouping.	without regrouping.
		(5.NBT.7)	(5.NBT.7)	(5.NBT.7)
3	Adds and subtracts	Fluently adds and	Fluently adds and	Fluently adds and
Proficient	multi-digit whole	subtracts multi-digit	subtracts multi-digit	subtracts multi-digit
	number s, <u>up to four</u>	whole numbers using	whole numbers using	whole numbers using
	<u>digits</u> , using the	a <u>standard algorithm</u> .	a <u>standard algorithm</u> .	a <u>standard algorithm</u> .
	<u>standard algorithm</u> .			
2	Inconsistently adds	Adds and subtracts	Adds and subtracts	Adds and subtracts
Partially	and subtracts	multi-digit whole	multi-digit whole	multi-digit whole
Proficient	multi-digit whole	numbers, <u>up to four</u>	numbers, <u>up to four</u>	numbers, <u>up to four</u>
	numbers, up to four	digits, using the	digits, using the	digits, using the
	digits, using the	standard algorithm.	standard algorithm.	standard algorithm.
	standard algorithm.			
1	Unable to add and	Unable to or	Unable to or	Unable to or
Minimally	subtract multi-digit	inconsistently adds	inconsistently adds	inconsistently adds
Proficient	whole numbers, up to	and subtracts	and subtracts	and subtracts
	four digits, using the	multi-digit whole	multi-digit whole	multi-digit whole
	standard algorithm.	numbers , up to four	numbers , up to four	numbers , up to four
		digits, using the	digits, using the	digits, using the
		standard algorithm.	standard algorithm.	standard algorithm.

*Math fact fluency is the ability to quickly recall addition, subtraction, multiplication, and division math facts through conceptual learning, fact strategies, and memorization. The four key components to determine mastery are 1) flexibility, 2) appropriate strategy use, 3) efficiency, and 4) accuracy.

4.NBT.B: Use place value understanding and properties of operations to perform multi-digit arithmetic.

4.NBT.B.5	4.NBT.B.5: Multiply a whole number of up to four digits by a one-digit whole number.			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4 Highly Proficient	Multiplies a whole number of <u>up to four</u> digits by a one-digit whole number.	Multiplies a whole number of <u>up to four</u> digits by a one-digit whole number.	Multiplies a whole number of <u>up to four</u> digits by a one-digit whole number.	Uses the U.S. traditional multiplication algorithm to multiply 2-digit by 2-digit numbers. (5.NBT.5)
3 Proficient	Uses fact extensions to multiply by a multiple of 10.	Accurately multiplies 2-digit by 1-digit whole numbers.	Accurately multiplies a 3-digit number by a 1-digit number and 2-digit numbers by a multiple of 10.	Multiplies a whole number of <u>up to four</u> digits by a one-digit whole number.
2 Partially Proficient	Inconsistently uses fact extensions to multiply by a multiple of 10.	Uses fact extensions to multiply by a multiple of 10.	Accurately multiplies 2-digit by 1-digit whole numbers.	Accurately multiplies a 3-digit number by a 1-digit number and 2-digit numbers by a multiple of 10.
1 Minimally Proficient	Unable to use fact extensions to multiply by a multiple of 10.	Unable to or inconsistently uses fact extensions to multiply by a multiple of 10.	Unable to or inconsistently uses fact extensions to multiply by a multiple of 10.	Unable to or inconsistently multiplies 2-digit by 1-digit whole numbers.

4.NBT.B: Use place value understanding and properties of operations to perform multi-digit arithmetic.

4.NBT.B.6: Find whole-number quotients and remainders with up to four-digit dividends and one-digit
divisors.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4 Highly Proficient	No Benchmark Expectations at this point.	Finds whole-number quotients and remainders with up to four-digit dividends and one-digit divisors.	Finds whole-number quotients and remainders with up to four-digit dividends and one-digit divisors.	Uses the partial-quotients algorithm with up to 3-digit dividends and 1-digit or simple 2-digit divisors. (5.NBT.6)
3 Proficient		Attempts to translate between decimal notation and fractions with denominators 10 or 100.	Accurately divides a 2-digit number by a 1-digit number: explains and illustrates.	Finds whole-number quotients and remainders with up to four-digit dividends and one-digit divisors.
2 Partially Proficient		Inconsistently attempts to translate between decimal notation and fractions with denominators 10 or 100.	Attempts to translate between decimal notation and fractions with denominators 10 or 100.	Accurately divides a 2-digit number by a 1-digit number: explains and illustrates.
1 Minimally Proficient		Unable to translate between decimal notation and fractions with denominators 10 or 100.	Unable to or inconsistently attempts to translate between decimal notation and fractions with denominators 10 or 100.	Unable to or inconsistently attempts to translate between decimal notation and fractions with denominators 10 or 100.

4.NF.B: Build fractions from unit fractions by applying and extending previous understanding of operations on whole numbers.

4.NF.B.3b: Decompose a fraction into a sum of fractions with the same denominator in more than one way.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4 Highly Proficient	No Benchmark Expectations at this point.	Decomposes a fraction into a sum of fractions with the same denominator in more than one way.	Finds a unit fraction of a whole number by partitioning the whole number into the appropriate number of parts and taking one of the parts. (5.NF.B.4a)	Finds a unit fraction of a whole number by partitioning the whole number into the appropriate number of parts and taking one of the parts. (5.NF.B.4a)
3 Proficient		Decomposes fractions and represents decompositions with equations. Explain the decomposition by using a visual fraction model.	Decomposes a fraction into a sum of fractions with the same denominator in more than one way.	Decomposes a fraction into a sum of fractions with the same denominator in more than one way.
2 Partially Proficient		Inconsistently decomposes fractions and represents decompositions with equations. Inconsistently explains the decomposition by using a visual fraction model.	Decomposes fractions and represents decompositions with equations. Explains the decomposition by using a visual fraction model.	Decomposes fractions and represents decompositions with equations. Explains the decomposition by using a visual fraction model.
1 Minimally Proficient		Unable to decompose fractions and represent decompositions with equations. Unable to explain the decomposition by using a visual fraction model.	Unable to or inconsistently decomposes fractions and represents decompositions with equations. Unable to or inconsistently explains the decomposition by using a visual fraction model.	Unable to or inconsistently decomposes fractions and represents decompositions with equations. Unable to or inconsistently explains the decomposition by using a visual fraction model.

4.NF.B:	4.NF.B: Build fractions from unit fractions by applying and extending previous				
underst	understanding of operations on whole numbers.				
4.NF.B.3c:	Add and subtract m	nixed numbers with like d	enominators.		
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	
4 Highly Proficient	No Benchmark Ex	pectations at this point.	Adds and subtracts mixed numbers with like denominators.	Adds and subtracts mixed numbers with regrouping with <u>like</u> <u>denominators</u> .	
3 Proficient			Adds mixed numbers and subtracts mixed numbers with <u>no</u> <u>regrouping</u> using manipulatives and visual fraction models.	Adds and subtracts mixed numbers with like denominators.	
2 Partially Proficient			Inconsistently adds mixed numbers and subtracts mixed numbers with <u>no</u> regrouping using manipulatives and visual fraction models.	Adds mixed numbers and subtracts mixed numbers with <u>no</u> regrouping using manipulatives and visual fraction models.	
1 Minimally Proficient			Unable to add mixed numbers and subtract mixed numbers with no regrouping using manipulatives and visual fraction models.	Unable to or inconsistently adds mixed numbers and subtracts mixed numbers with <u>no</u> regrouping using manipulatives and visual fraction models.	

4.NF.B:	4.NF.B: Build fractions from unit fractions by applying and extending previous			
understanding of operations on whole numbers.				
4.NF.B.3d:	4.NF.B.3d: Solve word problems involving addition and subtraction of fractions having like denominators.			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4 Highly Proficient	No Benchmark Expe	ctations at this point.	Solves word problems involving addition and subtraction of fractions having like denominators.	Uses tools or visual models to solve number stories involving addition and subtraction of fractions and mixed numbers with like denominators. (5.NF.2)
3 Proficient			Uses manipulatives and visual fraction models to add fractions in number stories.	Solves word problems involving addition and subtraction of fractions having like denominators.
2 Partially Proficient			Inconsistently uses manipulatives and visual fraction models to add fractions in number stories.	Uses manipulatives and visual fraction models to add fractions in number stories.
1 Minimally Proficient			Unable to use manipulatives and visual fraction models to add fractions in number stories.	Unable to or inconsistently uses manipulatives and visual fraction models to add fractions in number stories.

4.NF.B:	4.NF.B: Build fractions from unit fractions by applying and extending previous					
understanding of operations on whole numbers.						
4.NF.B.4:	Build fractions from uni	it fractions.				
	Quarter 1	Quarter 2	Quarter 3	Quarter 4		
4 Highly Proficient	No Benchmark Expec	ctations at this point.	Builds fractions from unit fractions.	Uses tools and visual models to generate equivalent fractions with unlike denominators when only one fraction needs to be replaced with an equal fraction. (5.NF.1)		
3 Proficient			Applies understanding of repeated addition and multiplication to work with unit fractions.	Builds fractions from unit fractions.		
2 Partially Proficient			Inconsistently applies an understanding of repeated addition and multiplication to work with unit fractions.	Applies understanding of repeated addition and multiplication to work with unit fractions.		
1 Minimally Proficient			Unable to apply an understanding of repeated addition and multiplication to work with unit fractions.	Unable to or iInconsistently applies an understanding of repeated addition and multiplication to work with unit fractions.		

4.NF.C: Understand decimal notation for fractions, and compare decimal fractions.

4.NF.C.6: Use decimal notation for fractions with denominators 10 (tenths) or 100 (hundredths) and locate these decimals on a number line.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4 Highly Proficient	No Benchmark Expectations at this point.	Uses decimal notation for fractions with denominators 10 (tenths) or 100 (hundredths) and locates these decimals on a number line.	Represents decimals through thousandths by shading grids. Reads and writes decimals through thousandths with no placeholder zeros.	Represents decimals through thousandths by shading grids. Reads and writes decimals through thousandths with no placeholder zeros.
3 Proficient		Represents decimals to hundredths using a model of choice, as well as base-10 numerals. Attempts to translate between decimal notation and fractions with denominators 10 or 100 without a model.	Uses decimal notation for fractions with denominators 10 (tenths) or 100 (hundredths) and locates these decimals on a number line.	Uses decimal notation for fractions with denominators 10 (tenths) or 100 (hundredths) and locates these decimals on a number line.
2 Partially Proficient		Inconsistently represents decimals to hundredths using a model of choice, as well as base-10 numerals. Attempts to translate between decimal notation and fractions with denominators 10 or 100 without a model.	Represents decimals to hundredths using a model of choice, as well as base-10 numerals. Attempts to translate between decimal notation and fractions with denominators 10 or 100 without a model.	Represents decimals to hundredths using a model of choice, as well as base-10 numerals. Attempts to translate between decimal notation and fractions with denominators 10 or 100 without a model.
1 Minimally Proficient		Unable to represent decimals to hundredths using a model of choice, as well as base-10 numerals. Unable to translate between decimal notation and fractions with denominators 10 or 100 without a model.	Unable to or inconsistently represents decimals to hundredths using a model of choice, as well as base-10 numerals. Attempts to translate between decimal notation and fractions with denominators 10 or 100 without a model.	Unable to or inconsistently represents decimals to hundredths using a model of choice, as well as base-10 numerals. Attempts to translate between decimal notation and fractions with denominators 10 or 100 without a model.

4.NF.C: Understand decimal notation for fractions, and compare decimal fractions.

4.NF.C.7: Compare two decimals to hundredths by reasoning about their size, and record the results with the symbols <, >, and =.					
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	
4 Highly Proficient	No Benchmark Expectations at this point.	Compares two decimals to hundredths by reasoning about their size, and record the results with the symbols <, >, and =.	Uses grids or place value charts to compare and order decimals through thousandths when the decimals have the same number of digits after the decimal point. Records the results with the symbols <, >, and =. (5.NBT.3b)	Uses grids or place value charts to compare and order decimals through thousandths when the decimals have the same number of digits after the decimal point. Records the results with the symbols <, >, and =. (5.NBT.3b)	
3 Proficient		Recognizes that decimal comparisons require same-size wholes using a concrete model. Compares, orders, and justifies comparisons of decimals using a model.	Compares two decimals to hundredths by reasoning about their size, and record the results with the symbols <, >, and =.	Compares two decimals to hundredths by reasoning about their size, and record the results with the symbols <, >, and =.	
2 Partially Proficient		Inconsistently recognizes that decimal comparisons require same-size wholes using a concrete model. <u>Compares, orders, and</u> justifies comparisons of decimals using a model.	Recognizes that decimal comparisons require same-size wholes using a concrete model. <u>Compares, orders, and</u> justifies comparisons of decimals using a model.	Recognizes that decimal comparisons require same-size wholes using a concrete model. <u>Compares, orders, and</u> justifies comparisons of decimals using a model.	
1 Minimally Proficient		Unable to recognize that decimal comparisons require same-size wholes using a concrete model. <u>Compares,</u> <u>orders, and justifies</u> comparisons of decimals using a model.	Unable to or inconsistently recognizes that decimal comparisons require same-size wholes using a concrete model. <u>Compares, orders, and</u> justifies comparisons of decimals using a model.	Unable to or inconsistently recognizes that decimal comparisons require same-size wholes using a concrete model. <u>Compares, orders, and</u> justifies comparisons of decimals using a model.	

4.MD.A: Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

4.MD.A.3: Apply the area and perimeter formulas for rectangles in mathematical problems and real-word context, including problems with unknown side lengths.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4 Highly Proficient	Applies the area and perimeter formulas for rectangles in mathematical problems and real-word context, including problems with unknown side lengths.	Applies the area and perimeter formulas for rectangles in mathematical problems and real-word context, including problems with unknown side lengths involving decimals and/or	Applies the area and perimeter formulas for rectangles in mathematical problems and real-word context, including problems with unknown side lengths involving decimals and/or	Applies the area and perimeter formulas for rectangles in mathematical problems and real-word context, including problems with unknown side lengths involving decimals and/or
3 Proficient	Finds the perimeter and area <u>using a</u> <u>strategy</u> .	fractions.Applies the area andperimeter formulasfor rectangles inmathematicalproblems andreal-word context,including problemswith unknown sidelengths.	fractions.Applies the area andperimeter formulasfor rectangles inmathematicalproblems andreal-word context,including problemswith unknown sidelengths.	Applies the area andperimeter formulasfor rectangles inmathematicalproblems andreal-word context,including problemswith unknown sidelengths.
2 Partially Proficient	Inconsistently finds the perimeter and area using a strategy.	Finds the perimeter and area <u>using a</u> <u>strategy</u> .	Finds the perimeter and area <u>using a</u> <u>strategy</u> .	Finds the perimeter and area <u>using a</u> <u>strategy</u> .
1 Minimally Proficient	Unable to find the perimeter and area using a strategy.	Unable to or inconsistently finds the perimeter and area <u>using a strategy</u> .	Unable to or inconsistently finds the perimeter and area <u>using a strategy</u> .	Unable to or inconsistently finds the perimeter and area <u>using a strategy</u> .

4.MD.C: Geometric measurement: Understand concepts of angle and measure
angles.

4.MD.C.6: Measure angles in whole-number degrees using a protractor. Sketch angles of specified					
measure.					
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	
4	No Benchmark Expec	tations at this point.	Measures angles in	Measures angles on	
Highly			whole-number degrees	closed 2-dimensional	
Proficient			using a protractor.	figures (i.e. rectangles,	
			Sketches angles of	squares, trapezoids,	
			specified measure.	pentagons, hexagons).	
3			Correctly identifies the	Measures angles in	
Proficient			type of angle (acute	whole-number degrees	
			and obtuse) and	using a protractor.	
			measures angles within	Sketches angles of	
			a given range after	specified measure.	
			estimating angle. When		
			given one ray, sketches		
			an angle.		
2			Inconsistently	Correctly identifies the	
Partially			identifies the type of	type of angle (acute	
Proficient			angle (acute and	and obtuse) and	
			obtuse) and measures	measures angles within	
			angles within a given	a given range after	
			range after estimating	estimating angle. When	
			angle. When given one	given one ray, sketches	
			ray, sketches an angle.	an angle.	
1			Unable to identify the	Unable to or	
Minimally			type of angle (acute	inconsistently	
Proficient			and obtuse) and	identifies the type of	
			measures angles within	angle (acute and	
			a given range after	obtuse) and measures	
			estimating angle. When	angles within a given	
			given one ray, sketches	range after estimating	
			an angle.	angle. When given one	
				ray, sketches an angle.	

4.G.A: Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

4.G.A.1: Draw points, lines, line segments, rays	, angles (right, acute,	, obtuse) and perpendicula	r and
parallel lines.			

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4 Highly Proficient	Draws points, lines, line segments, rays, angles (right, acute, obtuse) and perpendicular and parallel lines.	Draws points, lines, line segments, rays, angles (right, acute, obtuse) and perpendicular and parallel lines.	Begins using an understanding of points, lines, segments, rays, angles, and perpendicular and parallel lines in 2-dimensional shapes to make connections with edges and vertices in 3-dimensional shapes. *Beginning work with 3-d shapes/volume	Begins using an understanding of points, lines, segments, rays, angles, and perpendicular and parallel lines in 2-dimensional shapes to make connections with edges and vertices in 3-dimensional shapes. *Beginning work with 3-d shapes/volume
3 Proficient	Draws and labels points, lines, line segments, and rays with the help from the Student Reference Book and correctly identifies right angles.	Identifies lines, line segments, and rays alone or within figures. Draws and represents right angles and identifies other angles as acute or obtuse. Draws, represents, and identifies perpendicular and parallel lines.	Draws points, lines, line segments, rays, angles (right, acute, obtuse) and perpendicular and parallel lines.	Draws points, lines, line segments, rays, angles (right, acute, obtuse) and perpendicular and parallel lines.
2 Partially Proficient	Inconsistently draws and labels points, lines, line segments, and rays with the help from the Student Reference Book and inconsistently identifies right angles.	Draws and labels points, lines, line segments, and rays with the help from the Student Reference Book and correctly identifies right angles.	Identifies lines, line segments, and rays alone or within figures. Draws and represents right angles and identifies other angles as acute or obtuse. Draws, represents, and identifies perpendicular and parallel lines.	Identifies lines, line segments, and rays alone or within figures. Draws and represents right angles and identifies other angles as acute or obtuse. Draws, represents, and identifies perpendicular and parallel lines.
1 Minimally Proficient	Unable to draw and label points, lines, line segments, and rays with the help from the Student Reference Book and unable to identify right angles.	Unable to or inconsistently draws and labels points, lines, line segments, and rays with the help from the Student Reference Book and inconsistently identifies right angles.	Unable to or inconsistently draws and labels points, lines, line segments, and rays with the help from the Student Reference Book and inconsistently identifies right angles.	Unable to or inconsistently draws and labels points, lines, line segments, and rays with the help from the Student Reference Book and inconsistently identifies right angles.