Unit 1: Addition and Subtraction with Fractions

CCSS	Expectation	Beginning of Unit	End of Unit	Example
5.NF.1	I can add fractions with like denominators.	Yes No	Yes No	$\frac{1}{7} + \frac{3}{7} = \frac{4}{7}$
5.NF.1	I can subtract fractions with like denominators	Yes No	Yes No	$\frac{5}{6} - \frac{3}{6} = \frac{2}{6}$
5.NF.1	I can add fractions with unlike denominators.	Yes No	Yes No	1/3 + 3/6 = 2/6 + 3/6 = 5/6
5.NF.1	I can subtract fractions with unlike denominators.	Yes No	Yes No	4/6 - 1/4= 8/12 - 3/12 = 5/12
5.NF.1	I can add mixed numbers.	Yes No	Yes No	$2 \frac{1}{3}$ $+ \ 1 \frac{1}{3}$ ——————— $3 \frac{2}{3}$
5.NF.1	I can subtract mixed numbers.	Yes No	Yes No	$4 \frac{4}{5}$ $- \ 2 \frac{1}{5}$ -------------------- $2 \frac{3}{5}$

CCSS	Expectation	Beginning of Unit	End of Unit	Example
5.NF.2	I can solve a word problem where I have to add fractions.	Yes No	Yes No	Julie drank 3/5 of her water in the morning and 1/3 of her water in the afternoon. How much did she drink in all?
5.NF.2	I can solve a word problem where I have to subtract fractions.	Yes No	Yes No	Bobby had a bucket 3/4 full of water, 1/2 spilled out. How much water does he have left?
5.NF.2	I can tell if the answer to an addition fraction problem makes sense.	Yes No	Yes No	
5.NF.2	I can tell if the answer to a subtraction fraction problem makes sense.	Yes No	Yes No	
	I can compare fractions.	Yes No	Yes No	$\frac{2}{3} > \frac{2}{5}$
	I can find equivalent fractions.	Yes No	Yes No	$\frac{1}{4} = \frac{2}{8} = \frac{3}{12}$

Parent Signature _____

Student Signature _____

Unit 2 Decimal Place Value

CCSS	Expectation	Beginning of Unit	End of Unit	Example
5.NBT.1	I can recognize that one whole is ten times more than one tenth.	Yes No	Yes No	
5.NBT.1	I can recognize that one tenth is ten times more than one hundredth.	Yes No	Yes No	
5.NBT.1	I can recognize that one hundredth is ten times more than one thousandth.	Yes No	Yes No	
5.NBT.2	I can compare two decimals to the thousandths place.	Yes No	Yes No	$0.23 < 2.30$ $4.09 < 4.9$
5.NBT.3	I can read decimals in expanded form.	Yes No	Yes No	$0.45 = (4 \times 1/10) + (5 \times 1/100) =$ four times one tenth plus five times one hundredth
5.NBT.3	I can write decimals in expanded form.	Yes No	Yes No	$0.45 = (4 \times 1/10) + (5 \times 1/100)$
5.NBT.3	I can round decimals.	Yes No	Yes No	Round to the nearest hundredth: 4.036 ---- 4.04 5.198 ----- 5.20 3.123 ---- 3.12
5.NBT.7	I can add decimals to hundredths.	Yes No	Yes No	$12.09 + 0.34 = 12.43$
5.NBT.7	I can subtract decimals to hundredths.	Yes No	Yes No	$85.34 - 5.93 = 79.41$

Parent Signature _____

Student Signature _____

Unit 3: Multiplying and Dividing Fractions

CCSS	Expectation	Beginning of Unit	End of Unit	Example
5.NF.4	I can use pictures to solve fraction multiplication problems.	Yes No	Yes No	
5.NF.4	I can find the area of a rectangle that has sides whose lengths are fractions.	Yes No	Yes No	
5.NF.5	I can tell that multiplying two fractions gives a product that is smaller than each factor.	Yes No	Yes No	3/4 x 2/3 = 6/12 *Explain why the answer is smaller than both fractions.*
5.NF.5	I can explain that a fraction multiplied by a whole number gives a product that is greater than the fraction.	Yes No	Yes No	3/4 x 7 = 21/4 = 5 1/4 *Explain why the answer is greater than the fraction.*
5.NF.6	I can solve word problems when I have to multiply fractions.	Yes No	Yes No	Of the cakes at Ernesto's Bakery, 1/2 have chocolate frosting. Of the cakes with chocolate frosting, 3/5 have raspberry filling. What fraction of the cakes at Ernesto's Bakery have both chocolate frosting and raspberry filling? 1/2 x 3/5 = 3/10

5.NF.6	I can solve a word problems when I have to multiply mixed numbers.	Yes No	Yes No	Troy collected 1 3/4 bins of glass bottles to recycle. Winton collected 2 1/5 times as many bins as Troy. How many bins of bottles did Winton collect?
5.NF.7	I can divide a fraction by a whole number using a picture or equation.	Yes No	Yes No	$1/4 \div 3 = 1/4 \div 3/1 = 1/4 \times 3/1 = 3/4$
5.NF.7	I can divide a whole number by a fraction using a picture or equations.	Yes No	Yes No	$3 \div 1/4 = 3/1 \div 1/4 = 3/1 \times 4/1 = 12$
5.NF.7	I can solve word problems by dividing fractions and whole numbers.	Yes No	Yes No	Nate has 3/4 of a pizza left over from dinner last night. He has to share it with his sister and brother for lunch the next day. How much pizza does each child get fro lunch? $3/4 \div 3 = 3/4 \times 1/3 = 3/12 = 1/4$ of a pizza
5.NF.3	I can tell what math operation a fraction problem is.	Yes No	Yes No	
5.NF.3	I can solve a division problem of two whole numbers to get a fraction answer.	Yes No	Yes No	*Interpret 3/4 as the result of dividing 3 by 4, noting that 3/4 multiplied by 4 equals 3 and that when 3 wholes are shared equally among 4 people each person has a share of size 3/4*

Parent Signature _____

Student Signature _____

Unit 4 Multiplication with Whole Numbers and Decimals

CCSS	EXPECTATION	Beginning of Unit	End of Unit	Example
5.NBT.2	I can multiply by <u>powers of 10</u>	Yes No	Yes No	3 x 10 = 3<u>0</u> 3 x 100 = 3<u>00</u> 3 x 1,000 = 3,<u>000</u> 3 x 10,000 = 3<u>0,000</u>
5.NBT.2	I can move the decimal the correct number of places when multiplying by a power of 10	Yes No	Yes No	**When you <u>multiply by a power of 10</u>, you move the decimal to the <u>right</u> that many times.
5.NBT.2	I can identify and understand exponential notation.	Yes No	Yes No	Use whole number exponents to denote powers of 10 $10^2 = 100$ $10^3 = 1,000$ Ex. $3.6 \times 10^3 = 3.6 \times 1,000 = 3,600$
5.NBT.5	I can multiply a 2 digit number by a 2 digit number.	Yes No	Yes No	75 <u>x32</u> 150 <u>2250</u> 2400
5.NBT.5	I can multiply a 3 digit number by a 2 digit number.	Yes No	Yes No	154 <u>x 36</u> 924 <u>4620</u> 5544

CCSS	EXPECTATION	Beginning of Unit	End of Unit	Example
5.NBT.5	I can multiply a 4 digit number by a 2 digit number	Yes No	Yes No	2153 x 42 4306 86120 90426
5.NBT.7	I can multiply decimals to the hundredths (I know where to place the decimal).	Yes No	Yes No	4.723 x 0.20 = 0.9446
5.NBT.4	I can round decimals using a variety of strategies, such as number lines and benchmark numbers	Yes No	Yes No	Round to the nearest hundredth: 4.036 ---- 4.04 5.198 ----- 5.20 3.123 ---- 3.12

Parent Signature _____

Student Signature _____

Unit 5 Division with Whole Numbers and Decimals

CCSS	EXPECTATION	Beginning of Unit	End of Unit	Example
5.NBT.6	I can divide a 3 digit number by a 1 digit number.	Yes No	Yes No	_____ 4) 9 2 5
5.NBT.6	I can divide a 4 digit number by a 1 digit number.	Yes No	Yes No	_____ 7) 2 4 5 9
5.NBT.6	I can divide a 3 digit number by a 2 digit number.	Yes No	Yes No	_____ 24) 3 9 3
5.NBT.6	I can divide a 4 digit number by a 2 digit number.	Yes No	Yes No	_____ 35) 9 6 2 8
5.NBT.7	I can divide decimals to the hundredths.	Yes No	Yes No	_____ 2.4) 4.2 9
5.NBT.2	I can move the decimal the correct number of places when dividing by a multiple of ten.	Yes No	Yes No	$3 \div 10 = 0.3$ $3 \div 100 = 0.03$ $3 \div 1000 = 0.003$
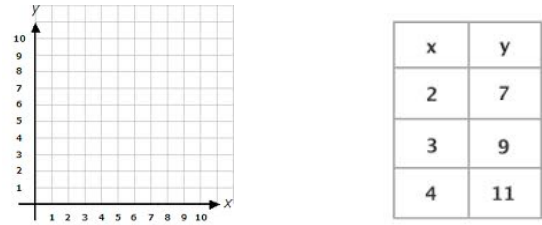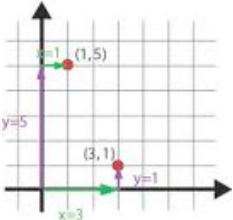
Parent Signature _____

Student Signature _____
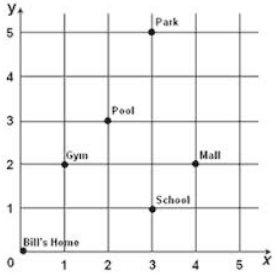
Unit 6 Operations and Word Problems

CCSS	EXPECTATION	Beginning of Unit	End of Unit	Example
5.OA.1	I can solve an expression using the correct order of operations.	Yes No	Yes No	[2 x (3 +2)] - 5 = 5
		Yes No	Yes No	
5.NF.5	I can tell that multiplying two fractions gives a product that is smaller than each factor.	Yes No	Yes No	
5.NF.5	I can explain that a fraction multiplied by a whole number gives a product that is greater than the fraction.	Yes No	Yes No	
		Yes No	Yes No	
		Yes No	Yes No	

Unit 7 Algebra, Patterns and Coordinate Graphs
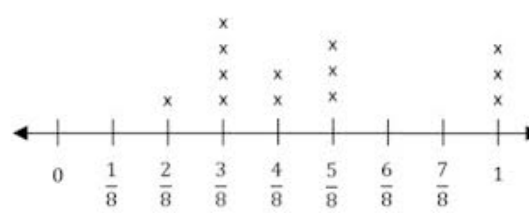
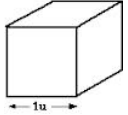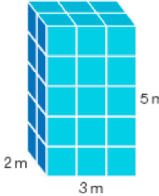| CCSS	EXPECTATION	Beginning of Unit	End of Unit	Example
5.OA.1	I can solve an expression using the correct order of operations.	Yes No	Yes No	[2 x (3 +2)] - 5 = 5
5.OA.1	I can read a math expression.	Yes No	Yes No	Add 8 and 7, then multiply by 2 = 2 x (8 +7)
5.OA.2	I can write a math expression from words	Yes No	Yes No	2 x (8 + 7) = Add 8 and 7, then multiply by 2
5.OA.3	I can find the pattern when given two or more sets of ordered pairs.	Yes No	Yes No	
5.G.1	I can tell which number in an ordered pair goes left to right.	Yes No	Yes No	(7 , 5) - first number is x, it goes left and right
5.G.1	I can tell which number in an ordered pair goes up and down.	Yes No	Yes No	(7 , 5) -second number is y, it goes up and down
5.G.1	I can graph ordered pairs on a coordinate grid.	Yes No	Yes No	

CCSS	EXPECTATION	Beginning of Unit	End of Unit	Example
5.G.2	I can locate points on a coordinate grid for real world problems.	Yes No	Yes No	

Parent Signature _____

Student Signature _____

Unit 8 Measurement and Geometry

CCSS	EXPECTATION	Beginning of Unit	End of Unit	Example
5.MD.1	I can convert milligrams to grams and grams to milligrams.	Yes No	Yes No	1 gram = 1,000 milligrams 1,000 milligrams = 1 gram
5.MD.1	I can convert milliliters to liters and liters and milliliters.	Yes No	Yes No	1 liter = 1,000 milliliters 1,000 milliliters = 1 liter
5.MD.1	I can solve metric measurement multi step word problems.	Yes No	Yes No	Julie ate 2 cups of ice cream a night for 4 weeks. How many gallons of ice cream did she eat? 2 cups x 7 days = 14 cups; 14 cups x 4 weeks = 56 cups; 16 cups = 1 gallon so 56 ÷ 16 = 3.5 gallons
5.MD.2	I can read a line plot with fractions.	Yes No	Yes No	 mode= 3/8
5.MD.2	I can evenly distribute fraction line plot data.	Yes No	Yes No	
5.MD.3	I can explain that volume is three dimensional.	Yes No	Yes No	Length, Width and Height

CCSS	EXPECTATION	Beginning of Unit	End of Unit	Example
5.MD.3	I can recognize what a unit cube is	Yes No	Yes No	Unit Cube:
5.MD.3	I can show volume by filling container with cubes.	Yes No	Yes No	$V = l \times w \times h$ $V = 3\,m \times 2\,m \times 5\,m$ $V = 30$ cubic meters
5.MD.4	I can find the volume by counting objects in a container.	Yes No	Yes No	
5.MD.5	I can find the volume of a rectangular prism by counting or using the formula.	Yes No	Yes No	Formula: Length x Width x Height
5.MD.5	I can solve volume word problems.	Yes No	Yes No	Logan just got a new dog! The dog cage she bought is 6 feet long, 4 feet wide and 5 feet tall. What is the volume of the dog cage? V= l x w x h = 6 ft x 4 ft x 5 ft = 120 cubic feet
5.MD.5	I can add the volume of two rectangular prisms.	Yes No	Yes No	

CCSS	EXPECTATION	Beginning of Unit	End of Unit	Example
5.G.3	I can explain the properties of two dimensional figures.	Yes No	Yes No	All rectangles have four right angles and squares are rectangles, so all squares have four right angles.
5.G.4	I can classify polygons based on their properties.	Yes No	Yes No	

Parent Signature _____

Student Signature _____