Ratios & Proportional Relationships						
Indicator	Date	Date	Date	Date	Date	
	Taught	Retaught	Reviewed	Assessed	ReAssessed	
Understand ratio con	cepts and us	e ratio reaso	ning to solve	e problems.		
6.RP.1 Understand the concept of a	-					
ratio and use ratio language to						
describe a ratio relationship						
between two quantities.						
6.RP.2 Understand the concept of a						
unit rate a/b associated with a						
ratio a:b with $b \neq 0$ , and use rate						
language in the context of a ratio						
relationship.						
6.RP.3 Use ratio and rate reasoning						
to solve real-world and						
mathematical problems, e.g., by						
reasoning about tables of						
equivalent ratios, tape diagrams,						
double number line diagrams, or						
equations.						
6.RP.3a Make tables of equivalent						
ratios relating quantities with whole-						
number measurements, find missing						
values in the tables, and plot the pairs						
of values on the coordinate plane. Use						
tables to compare ratios.						
6.RP.3b Solve unit rate problems						
including those involving unit pricing						
and constant speed. For example, if it						
took 7 hours to mow 4 lawns, then at						
that rate, how many lawns could be						
mowed in 35 hours? At what rate were						
lawns being mowed? 6.RP.3c Find a percent of a quantity as a						
rate per 100 (e.g., 30% of a quantity						
means 30/100 times the quantity); solve						
problems involving finding the whole,						
given a part and the percent.						
6.RP.3d Use ratio reasoning to convert						
measurement units; manipulate and						
transform units appropriately when						
multiplying or dividing quantities.						

The Number System								
Indicator	Date	Date	Date	Date	Date			
	Taught	Retaught	Reviewed	Assessed	ReAssessed			
Apply and extend previ	Apply and extend previous understandings of multiplication and division.							
6.NS.1 Interpret and compute								
quotients of fractions, and solve								
word problems involving division								
of fractions by fractions, e.g., by								
using visual fraction models and								
equations to represent the								
problem.								
Compute fluently with multi	-digit numbe	ers and find o	common fact	tors and mul	tiples.			
6.NS.2 Fluently divide multi-digit								
numbers using the standard								
algorithm.								
6.NS.3 Fluently add, subtract,								
multiply, and divide multi-digit								
decimals using the standard								
algorithm for each operation.								
6.NS.4 Find the greatest common								
factor of two whole numbers less								
than or equal to 100 and the least								
common multiple of two whole								
numbers less than or equal to 12.								
Use the distributive property to								
express a sum of two whole								
numbers 1–100 with a common								
factor as a multiple of a sum of two								
whole numbers with no common								
factor.								

Indicator	Date	Date	Date	Date	Date		
indicator	Taught	Retaught	Reviewed	Assessed	ReAssessed		
Apply and extend previous understandings of numbers to the system of rational numbers.							
6.NS.5 Understand that positive							
and negative numbers are used							
together to describe quantities							
having opposite directions or							
values (e.g., temperature							
above/below zero, elevation							
above/below sea level,							
credits/debits, positive/negative							
electric charge); use positive and							
negative numbers to represent							
quantities in real-world contexts,							
explaining the meaning of 0 in each							
situation.							
6.NS.6 Understand a rational							
number as a point on the number							
line. Extend number line diagrams							
and coordinate axes familiar from							
previous grades to represent points							
on the line and in the plane with							
negative number coordinates.							
6.NS.6a Recognize opposite signs of							
numbers as indicating locations on							
opposite sides of 0 on the number line;							
recognize that the opposite of the							
opposite of a number is the number itself $a_{1} = a_{1} + a_{2} + a_{3} + a_{4} + a_{5} + a_$							
itself, e.g., $-(-3) = 3$ , and that 0 is its own opposite.							
6.NS.6b Understand signs of numbers in							
ordered pairs as indicating locations in							
quadrants of the coordinate plane;							
recognize that when two ordered pairs							
differ only by signs, the locations of the							
points are related by reflections across							
one or both axes.							
6.NS.6c Find and position integers and							
other rational numbers on a horizontal							
or vertical number line diagram; find							
and position pairs of integers and other rational numbers on a coordinate plane.							
rational numbers on a coordinate plane.							

Date	Date	Date	Date	Date
Taught	Retaught	Reviewed	Assessed	ReAssessed
	Date Taught			

Expressions & Equations								
Indicator	Date	Date	Date	Date	Date			
	Taught	Retaught	Reviewed	Assessed	ReAssessed			
Apply and extend previous understandings of arithmetic to algebraic expressions.								
6.EE.1 Write and evaluate								
numerical expressions involving								
whole-number exponents.								
6.EE.2 Write, read, and evaluate								
expressions in which letters stand								
for numbers.								
6.EE.2a Write expressions that record								
operations with numbers and with								
letters standing for numbers.								
6.EE.2b Identify parts of an expression								
using mathematical terms (sum, term,								
product, factor, quotient, coefficient);								
view one or more parts of an expression								
as a single entity. <b>6.EE.2c</b> Evaluate expressions at specific								
values of their variables. Include								
expressions that arise from formulas								
used in real-world problems. Perform								
arithmetic operations, including those								
involving whole-number exponents, in								
the conventional order when there are								
no parentheses to specify a particular								
order (Order of Operations).								
6.EE.3 Apply the properties of								
operations to generate equivalent								
expressions.								
6.EE.4 Identify when two								
expressions are equivalent (i.e.,								
when the two expressions name								
the same number regardless of								
which value is substituted into								
them).								

Indicator	Date	Date	Date	Date	Date
	Taught	Retaught	Reviewed	Assessed	ReAssessed
Reason about and s	solve one-va	riable equat	ions and ine	qualities.	
6.EE.5 Understand solving an					
equation or inequality as a process					
of answering a question: which					
values from a specified set, if any,					
make the equation or inequality					
true? Use substitution to					
determine whether a given number					
in a specified set makes an					
equation or inequality true.					
6.EE.6 Use variables to represent					
numbers and write expressions					
when solving a real-world or					
mathematical problem; understand					
that a variable can represent an					
unknown number, or, depending					
on the purpose at hand, any					
number in a specified set.					
6.EE.7 Solve real-world and					
mathematical problems by writing					
and solving equations of the form x					
+ <i>p</i> = <i>q</i> and <i>px</i> = <i>q</i> for cases in which					
p, q and x are all nonnegative					
rational numbers.					
6.EE.8 Write an inequality of the					
form <i>x</i> > <i>c</i> or <i>x</i> < <i>c</i> to represent a					
constraint or condition in a real-					
world or mathematical problem.					
Recognize that inequalities of the					
form <i>x</i> > <i>c</i> or <i>x</i> < c have infinitely					
many solutions; represent					
solutions of such inequalities on					
number line diagrams.					

Indicator	Date Taught	Date Retaught	Date Reviewed	Date Assessed	Date ReAssessed		
Represent and analyze quantitative relationships between dependent and independent variables.							
6.EE.9 Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation. For example, in a problem involving motion at constant speed, list and graph ordered pairs of distances and times, and write the equation d = 65t to represent the relationship between distance and time.							

Geometry						
Indicator	Date	Date	Date	Date	Date	
	Taught	Retaught	Reviewed	Assessed	ReAssessed	
Solve real-world and mathema	atical proble	ms involving	area, surfac	e area, and v	volume.	
6.G.1 Find the area of right						
triangles, other triangles, special						
quadrilaterals, and polygons by						
composing into rectangles or						
decomposing into triangles and						
other shapes; apply these						
techniques in the context of solving						
real-world and mathematical						
problems.						
6.G.2 Find the volume of a right						
rectangular prism with fractional						
edge lengths by packing it with unit						
cubes of the appropriate unit						
fraction edge lengths, and show						
that the volume is the same as						
would be found by multiplying the						
edge lengths of the prism. Apply						
the formulas V = I w h and V = b h						
to find volumes of right rectangular						
prisms with fractional edge lengths						
in the context of solving real-world						
and mathematical problems.						
6.G.3 Draw polygons in the						
coordinate plane given coordinates						
for the vertices; use coordinates to						
find the length of a side joining						
points with the same first						
coordinate or the same second						
coordinate. Apply these techniques						
in the context of solving real-world						
and mathematical problems.						
6.G.4 Represent three-dimensional						
figures using nets made up of						
rectangles and triangles, and use						
the nets to find the surface area of						
these figures. Apply these						
techniques in the context of solving						
real-world and mathematical						
problems.						

Statistics & Probability								
Indicator	Date	Date	Date	Date	Date			
	Taught	Retaught	Reviewed	Assessed	ReAssessed			
Develop understanding of statistical variability.								
6.SP.1 Recognize a statistical question								
as one that anticipates variability in								
the data related to the question and								
accounts for it in the answers.								
6.SP.2 Understand that a set of data								
collected to answer a statistical								
question has a distribution which can								
be described by its center, spread, and								
overall shape.								
6.SP.3 Recognize that a measure of								
center for a numerical data set								
summarizes all of its values with a								
single number, while a measure of								
variation describes how its values vary								
with a single number.								
Summ	arize and de	scribe distri	butions.					
6.SP.4 Display numerical data in plots								
on a number line, including dot plots,								
histograms, and box plots.								
6.SP.5 Summarize numerical data								
sets in relation to their context,								
such as by:								
6.SP.5a Reporting the number of								
observations.								
6.SP.5b Describing the nature of the								
attribute under investigation, including								
how it was measured and its units of								
measurement.								
6.SP.5c Giving quantitative measures								
of center (median and/or mean) and								
variability (interquartile range and/or								
mean absolute deviation), as well as								
describing any overall pattern and any								
striking deviations from the overall								
pattern with reference to the context								
in which the data were gathered.								
6.SP.5d Relating the choice of								
measures of center and variability to								
the shape of the data distribution and								
the context in which the data were								
gathered.								