	Priority :	Standards	Supp	orting Standards
	6.NS.1 Interpret and compute quotients of fractions, and solve			
		of fractions by fractions, e.g., by		
	using visual fraction models and	•		
	1	story context for $(2/3) \div (3/4)$ and		
	use a visual fraction model to sh	•		
	relationship between multiplicat	•		
	$(2/3) \div (3/4) = 8/9$ because 3/4 c	•		
S	(c/d) = ad/bc.) How much chocolate will each person get if 3 people share 1/2 lb of chocolate equally? How many 3/4-cup servings are in 2/3 of a cup of yogurt? How wide is a rectangular strip of land with length 3/4 mi and area 1/2 square mi? Title Topic Nana's Lemmon Water Fractions and Ratios			
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Unit 1 g Fract				
Jn:	, ,	· ,	Charada ada	D
ii.	Title	Topic	Standards	Resources
	Nana's Lemmon Water	Fractions and Ratios	6.NS.1	http://www.101qs.com/3043
	Dlack Doy 2			
	Black Box 2	Fractions	4.NF.1, 4.NF.2, 4.NF.3,	<u>101qs</u>
	BIACK BOX 2	Fractions	4.NF.1, 4.NF.2, 4.NF.3, 4.NF.3b, 4.NF.5, 5.NF.2,	<u>101qs</u>
	DIACK BOX 2	Fractions	· · · · · · · · · · · · · · · · · · ·	<u>101qs</u>
	DIACK BUX 2	Fractions	4.NF.3b, 4.NF.5, 5.NF.2,	<u>101qs</u>
	DIGUN DUX Z	Fractions	4.NF.3b, 4.NF.5, 5.NF.2,	101qs
	DIGUNDUX Z	Fractions	4.NF.3b, 4.NF.5, 5.NF.2,	101qs
	DIGUNDUX Z	Fractions	4.NF.3b, 4.NF.5, 5.NF.2,	101qs
	DIGUNDUX Z	Fractions	4.NF.3b, 4.NF.5, 5.NF.2,	101qs

	Priority S	Standards	Suppo	orting Standards
io	6.NS.2 Fluently divide multi-digit numbers using the standard 6		6.NS.3 Fluently add, subtract	t, multiply, and divide multi-digit
tati	algorithm.		decimals using the standard algorithm for each operation.	
2 Computation imals	Title	Topic	Standards	Resources
omp				
it 2 it C				
Unit Digit				
Multiplying				
弄				
₹				

	Priority Standards	Supporting Standards
	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.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.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, e.g., $-(-3) = 3$, and that 0 is its own opposite	
Unit 3 Integers and Absolute Values	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	
Un tegers and A	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	
드	6.NS.7 Understand ordering and absolute value of rational numbers	
	6.NS.7a Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram. For example, interpret $-3 > -7$ as a statement that -3 is located	
	to the right of –7 on a number line oriented from left to right. 6.NS.7b Write, interpret, and explain statements of order for rational numbers in real-world contexts. For example, write –	
	3°C > -7°C to express the fact that -3°C is warmer than -7°C. 6.NS.7c Understand the absolute value of a rational number as its distance from 0 on the number line; interpret absolute value as magnitude for a positive or negative quantity in a real-world	

situation. For example, for an a	ccount balance of –30 dollars,			
write -30 = 30 to describe the	e size of the debt in dollars.			
6.NS.7d Distinguish comparison	ns of absolute value from			
statements about order. For exc	ample, recognize that an account			
balance less than –30 dollars re	presents a debt greater than 30			
dollars.				
Title	Topic	Standards	Resources	
Shipping Routes	Factoring	6.NS.4	<u>101qs</u>	

	Priority S	Standards	Suppo	orting Standards
	6.NS.8 Solve real-world and mathematical problems by		6.NS.6 Understand a rational number as a point on the number	
	graphing points in all four quadrants of the coordinate plane.		line. Extend number line dia	grams and coordinate axes familiar
	Include use of coordinates and a			resent points on the line and in the
	between points with the same f second coordinate.	irst coordinate or the same	plane with negative number	coordinates
Unit 4 Coordinate Plane			problem that change in relate equation to express one quateriable, in terms of the other independent variable. Analy dependent and independent and relate these to the equation of the equatio	esent two quantities in a real-world cionship to one another; write an ntity, thought of as the dependent or quantity, thought of as the ze the relationship between the variables using graphs and tables, tion. For example, in a problem a speed, list and graph ordered pairs of the the equation d = 65t to represent tance and time.
	Title	Topic	Standards	Resources

	Priority S	Standards	Suppo	orting Standards
	6.RP.3 Use ratio and rate reason mathematical problems, e.g., by equivalent ratios, tape diagrams or equations.	reasoning about tables of s, double number line diagrams,	6.RP.1 Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. For example, "The ratio of wings to beaks in the bird house at the zoo was 2:1, because for every 2 wings there was 1 beak." "For every vote candidate A received, candidate C received nearly three votes."	
tions)	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.		ratio $a:b$ with $b \neq 0$, and use relationship. For example, " to 4 cups of sugar, so there is sugar." "We paid \$75 for 15"	rept of a unit rate a/b associated with a rate language in the context of a ratio This recipe has a ratio of 3 cups of flour is $3/4$ cup of flour for each cup of hamburgers, which is a rate of \$5 per for unit rates in this grade are limited
Unit 5 Ratios and Rates (proportions)	 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. 			
	Title	Topic	Standards	Resources
	Nana's Paint Mix-up	Ratio, Proportion, proportional reasoning	6.RP.3	101qs Dan's Blog
	Finals Week	Ratio and Proportions	6.RP.2	<u>101qs</u>
	Neptune	Ratio	6.RP.3	<u>Dan Meyer</u>
	Split Time	Proportions	6.RP.3b	<u>Dan Meyer</u>
	The Slow Florty	Unit Conversion, Dimensional analysis	5.MD.1, MP.4	<u>101qs</u>
	Leaky Faucet	Rates, Proportions	6.RP.3, MP.4	<u>101qs</u>
	Pain Relief	Unit Conversion, Comparison	6.RP.3b, MP.3, 1.NBT.3	<u>101qs</u>

Bolt Conve	rsion	Speed	6.RP.3b	<u>101qs</u>
Fort Steub	en Bridge	Speed, Rate, Sound	6.RP.3b	<u>101qs</u>
Nana's Ch	ocolate Milk	Mixture, Ratio	6.RP.3, MP.4	<u>101qs</u>
Coke vs. S	orite	Percent, Ratio	6.RP.3, MP.2, MP.3	<u>101qs</u>
Super Bea	•	Proportions, Rates	6.RP.3, MP.4	<u>101qs</u>
Shower v.	Bath	Rates, Proportions	6.RP.3, MP.4	<u>101qs</u>
Partial Pro	ducts	Ratio, Rate	6.RP.3	<u>101qs</u>
Speed of L	ight	Rate	6.RP.3	<u>101qs</u>
Print Job		Rate	6.RP.3, MP.3	<u>101qs</u>
Amazon P	ercent Discount	Percent, Discount	6.RP.3	<u>101qs</u>
Bone Colle	ctor	Proportions	6.RP.3	<u>101qs</u>
Sugar Pack	ets	Proportions	6.RP.3	<u>101qs</u>
Candle Eye	?S	Convert, Conversion	6.RP.3d	<u>101qs</u>
Fly me to t	he Moom	Rates	6.RP.3	<u>Mrpiccmath</u>
Mega Coir		Rates and Ratios	6.RP.3	<u>Mrpiccmath</u>
Pepsi Poin	ts	Rates	6.RP.3	<u>Mrpiccmath</u>

	Priority Standards	Supporting Standards
	6.EE.2 Write, read, and evaluate expressions in which letters	6.EE.1 Write and evaluate numerical expressions involving whole-
suc	stand for numbers.	number exponents.
Unit 6 Evaluating Expressions	6.EE.2a Write expressions that record operations with numbers and with letters standing for numbers. For example, express the calculation "Subtract y from 5" as 5 – y.	6.EE.3 Apply the properties of operations to generate equivalent expressions. For example, apply the distributive property to the expression $3(2 + x)$ to produce the equivalent expression $6 + 3x$; apply the distributive property to the expression $24x + 18y$ to produce the equivalent expression $6(4x + 3y)$; apply properties of operations to $y + y + y$ to produce the equivalent expression $3y$.
Writing and	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. For example, describe the expression 2 (8 + 7) as a product of two factors; view (8 + 7) as both a single entity and a sum of two terms.	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). For example, the expressions $y + y + y$ and $3y$ are equivalent because they name the same number regardless of which number y stands for.

T111.	- • .			
of length $s = 1/2$.				
$A = 6 s^2$ to find the volume and su	ırface area of a cube with sides			
(Order of Operations). For exam				
when there are no parentheses				
involving whole-number exponents, in the conventional order				
problems. Perform arithmetic operations, including those				
Include expressions that arise from				
6.EE.2c Evaluate expressions at s	•			

Title	Topic	Standards	Resources
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and		ing	Unit 7	Vriting and Solving Equations/Inequalities
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Priority S	Standards	Suppo	orting Standards	
6.EE.5 Understand solving an ed	juation or inequality as a	6.EE.6 Use variables to repre	esent numbers and write expressions	
process of answering a question	: which values from a specified	when solving a real-world or	when solving a real-world or mathematical problem; understand	
set, if any, make the equation o	r inequality true? Use	that a variable can represent an unknown number, or, depending		
substitution to determine whet	ner a given number in a	on the purpose at hand, any	number in a specified set.	
specified set makes an equation	or inequality true.			
6.EE.7 Solve real-world and mat		6.EE.8 Write an inequality of	the form $x > c$ or $x < c$ to represent a	
and solving equations of the form $x + p = q$ and $px = q$ for cases		constraint or condition in a real-world or mathematical problem.		
in which p , q and x are all nonnegative rational numbers.		Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely		
		1	plutions of such inequalities on	
		number line diagrams.		
Title	Topic	Standards	Resources	
Woody's Raise	Rate, Rates, Time, Inequality	6.EE.8, 6.EE.5	<u>101qs</u>	

	Priority Standards		Supporting Standards		
	6.G.1 Find the area of right triangles, other triangles, special		6.G.2 Find the volume of a right rectangular prism with fractional		
	quadrilaterals, and polygons by composing into rectangles or		edge lengths by packing it with unit cubes of the appropriate unit		
	decomposing into triangles and other shapes; apply these		fraction edge lengths, and show that the volume is the same as		
	techniques in the context of solving real-world and		would be found by multiplying the edge lengths of the prism.		
Suc	mathematical problems.		Apply the formulas $V = l w h$ and $V = b h$ to find volumes of right		
VBC			rectangular prisms with fractional edge lengths in the context of		
Pol			solving real-world and mathematical problems.		
gular I			6.G.3 Draw polygons in the coordinate plane given coordinates for		
			the vertices; use coordinates to find the length of a side joining		
rre			points with the same first coordinate or the same second		
Unit 8 Area and Volume of Regular and Irregular Polygons			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		
Ur			rectangles and triangles, and use the nets to find the surface area		
F R			of these figures. Apply these techniques in the context of solving		
je c			real-world and mathematical problems.		
<u> </u>	Title	Topic	Standards	Resources	
8	Dandy Candies	Surface area, volume,	6.G.4, MP.7, MP.4	http://www.101qs.com/3038	
pu		perimeter			
a a	Bubble Wrap	Area	6.G.1	<u>Dan Meyer</u>	
Are	Dollar Wall	Area, Rectgles	6.G.4, MP.4	<u>101qs</u>	

	Priority Standards		Supporting Standards	
	6.SP.5 Summarize numerical data sets in relation to their		6.SP.1 Recognize a statistical question as one that anticipates	
	context, such as by:		variability in the data related to the question and accounts for it in	
			the answers. For example, "How old am I?" is not a statistical question, but "How old are the students in my school?" is a	
			statistical question because one anticipates variability in students'	
			ages.	
	6.SP.5a Reporting the number of observations.		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.	
utions	6.SP.5b Describing the nature of the attribute under		6.SP.3 Recognize that a measure of center for a numerical data set	
	investigation, including how it was measured and its units of		summarizes all of its values with a single number, while a measure	
rib	measurement.		of variation describes how its values vary with a single number.	
9 Dist	6.SP.5c Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute		6.SP.4 Display numerical data in plots on a number line, including dot plots, histograms, and box plots.	
Unit 9 Analyzing Data Distributions	deviation), as well as describing any overall pattern and any		dot piots, histograms, and box piots.	
	striking deviations from the overall pattern with reference to			
zing	the context in which the data were gathered.			
al	6.SP.5d Relating the choice of measures of center and			
An	variability to the shape of the data distribution and the context			
	in which the data were gathered.			
	Title	Торіс	Standards	Resources