Students taking the class for normal credit will find their assignments listed first in each section. Honors assignments are *italicized*. Review assignments apply to normal and honors credit classes. With the exception of word problems, write the original questions, show all work, and circle your solution on a sheet of paper.

1 Integers and Rational Numbers

Obj: Use properties of operations to add and subtract rational numbers.

Integers and National Nambers		
1.1 Relate Integers and Their Opposites		
EQ: How are opposite numbers related?		
Obj: Understand how integers and their opposites are related.		
p. 12 4-14, 17-18	Khan Acadomy	IXL
p. 12 4-14, 16-18, Enrichment Handout	Khan Academy	IXL
1.2 Understand Rational Numbers		
EQ: How are rational numbers written in decimal form?		
Obj: Identify rational numbers and write them in decimal form.		
p. 18 4, 6-8 (show work by using long division), 9, 11-13a, 15, 17, 20, 22	Khan Asadomy	I⊻I
p. 18 4, 6-8 (show work by using long division), 9, 11-13b, 15-20, 22	Khan Academy	IXL
1.1-1.2 Review		
p. 76 1-2 and 1-3 (Regular and Honors)		
1 2 Add Into 2015		
1.3 Add Integers		
EQ: How are opposite integers related to absolute value? Obj: Add positive and negative integers and model integer addition in	roal life applications	
p. 25 4-12, 14-17	теанне аррисацонѕ.	
	Khan Academy	IXL
p. 25 4-12, 14-17, Enrichment Handout		
1.4 Subtract Integers		
EQ: How is subtracting a number the same as adding it's additive in	verse?	
Obj: Understand subtraction of integers as adding the additive invers	e, p - q = p + (-q).	
p. 30 4-6, 8-10a, 11a, 12, 14-15		N.4.
p. 30 1-0, 0-10a, 11a, 12, 11-13	Khan Academy	IXL
p. 30 4-6, 8-10a, 11a, 12, 14-15, Enrichment Handout	<u> </u>	

Handout then p. 36 4-14	Khan Acadomy	IXL
Handout then p. 36 4-14, 18a	<u>Khan Academy</u>	IAL
1.3-1.5 Review	1	
p. 77 1-3 and 1-3, and p. 78 1-3 (Regular and Honors)		
1.6 Multiply Integers		
EQ: How is the sign of the product determined?		
Obj: Multiply positive and negative integers.		
p. 44 6-16a, 17a, 18-20b, 23	Khan Asadamu	
p. 44 6-16a, 17a, 18-20b, 21, 23, Enrichment Handout	<u>Khan Academy</u>	IXL
1.7 Multiply Rational Numbers		
EQ: How is multiplying rational numbers like multiplying integers?		
Obj: Find the product of rational numbers.		
Handout then p. 50 5-14, 16	Khan Academy	
Handout then p. 50 5-14, 16, 18	MIGH ACGGERTLY	IXL
1.6-1.7 Review		
p. 78 1-3 and p. 79 1-4 (Regular and Honors)		
1.0 Dhida lata ann		
1.8 Divide Integers 50: How can you use the proportion of multiplying integers to divide	intogoro	
EQ: How can you use the properties of multiplying integers to divide Obj: Understand how to divide integers by applying the rules of multi-	_	
p. 56 4-6, 11-17, 19-21	apiying integers.	
	Khan Academy	IXL
p. 56 4-6, 11-21, Enrichment Handout		
1.9 Divide Rational Numbers		
1.9 Divide Rational Numbers EQ: How is dividing rational numbers similar to dividing integers?		
	ce relate to the signs in a related division	on statement.
EQ: How is dividing rational numbers similar to dividing integers?		
EQ: How is dividing rational numbers similar to dividing integers? Obj: Understand how the signs of integers in a multiplication senten	ce relate to the signs in a related division Khan Academy	on statement. IXL
EQ: How is dividing rational numbers similar to dividing integers? Obj: Understand how the signs of integers in a multiplication senten Handout then p. 62 4-7, 13a and b, 18		
EQ: How is dividing rational numbers similar to dividing integers? Obj: Understand how the signs of integers in a multiplication senten Handout then p. 62 4-7, 13a and b, 18 Handout then p. 62 4-7, 13a and b, 18	Khan Academy	IXL
EQ: How is dividing rational numbers similar to dividing integers? Obj: Understand how the signs of integers in a multiplication sentent Handout then p. 62 4-7, 13a and b, 18 Handout then p. 62 4-7, 13a and b, 18 1.10 Solve Problems with Rational Numbers	Khan Academy	IXL
EQ: How is dividing rational numbers similar to dividing integers? Obj: Understand how the signs of integers in a multiplication sentent Handout then p. 62 4-7, 13a and b, 18 Handout then p. 62 4-7, 13a and b, 18 1.10 Solve Problems with Rational Numbers EQ: How can problems involving rational numbers be solved by make	Khan Academy ing sense of their quantities and relatio	IXL nship to each other?
EQ: How is dividing rational numbers similar to dividing integers? Obj: Understand how the signs of integers in a multiplication sentent Handout then p. 62 4-7, 13a and b, 18 Handout then p. 62 4-7, 13a and b, 18 1.10 Solve Problems with Rational Numbers EQ: How can problems involving rational numbers be solved by make Obj: Decide which operations to use to solve problems.	Khan Academy	IXL
EQ: How is dividing rational numbers similar to dividing integers? Obj: Understand how the signs of integers in a multiplication sentent Handout then p. 62 4-7, 13a and b, 18 Handout then p. 62 4-7, 13a and b, 18 1.10 Solve Problems with Rational Numbers EQ: How can problems involving rational numbers be solved by make Obj: Decide which operations to use to solve problems. p. 68 4-12	Khan Academy ing sense of their quantities and relatio	IXL nship to each other?

2 Analyze and Use Proportional Relationships

p. 122 4-12, 14-15

p. 122 4-15

,	•			
2.1 Connect Ratios, Rates, and Unit Rates				
EQ: How can equivalent ratios and unit rates be used to compare ratios and solve problems?				
Obj: Use ratios and rates to describe the relationship between two questep problems.	uantities and find equivalent ratios	and use unit rates to solve multi-		
p. 92 4-12, 17	VI A I	IV/I		
p. 92 4-14b,15, 17	<u>Khan Academy</u>	IXL		
2.2 Determine Unit Rates with Ratios and Fractions				
EQ: How is it that a unit rate can be easier to use to solve problems	than a ratio of fractions?			
Obj: Find unit rates with ratios of fractions and use unit rates to solve	e multi-step problems.			
p. 98 4-6, 9-13, 18	Vhan Asadonov	IXL		
p. 98 4-6, 9-18	<u>Khan Academy</u>	I/AL		
2.1-2.2 Review				
p. 132 1-2 (Regular and Honors)				
2.2.1 Independent Descriptional Polationalina, Equivalent Pot	•			
2.3 Understand Proportional Relationships: Equivalent Rati				
EQ: How can quantities in a proportional relationship be described by				
Obj: Determine whether quantities are proportional by testing for equ	aivaient rados.			
p. 104 4-11, 15	Khan Academy	IXL		
p. 104 4-13, 15				
2.4 Describe Proportional Relationships: Constant of Prop	ortionality			
EQ: How can equations in the form $y=kx$ be used to represent pr	roportional relationships and solve ‡	problems?		
Obj: Use the constant of variation (proportionality) to write equations that represent proportional relationships and use equations to solve problems involving proportional relationships.				
p. 110 4-8, 10-13, 17	Vhan Aaadami	IVI		
p. 110 4-8, 10-13, 15, 17	<u>Khan Academy</u>	IXL		
2.3-2.4 Review				
p. 132 1-2 and p. 133 1-2 (Regular and Honors)				
2.5 Create Deep autional Deletionships				
2.5 Graph Proportional Relationships				
EQ: What are the basic principles for the graph of a direct variation equation? Ohi Use a graph to recognize proportionality identify the constant of variation from a graph, and interpret a beint on a graph of a direct.				
Obj: Use a graph to recognize proportionality, identify the constant of variation from a graph, and interpret a point on a graph of a direct variation				

Khan Academy

IXL

2.6 Apply Proportional Reasoning to Solve Problems

EQ: How can you use what you know about proportional relationships to solve problems?

Obj: Explain whether a situation represents a proportional relationship and use representations to find entry points into problems.

p. 128 4-7, 9-10, 13	Khan Academy	IXL
p. 128 4-7, 9-10, 12-13	NIGH Academy	I/AL

C2 Review

Topic 2 Assessment (Regular and Honors)

3 Analyze and Solve Percent Problems

3.1 Analyze Percents of Numbers EQ: How can equivalent ratios be used to find the percent of a number? Obj: Understand that equivalent rates can be used to find percents.

p. Handout then p. 146 4, 10-12, 21	Khan Academy	IXL
Handout then p. 146 4, 10-14, 21	Night Academy	I/L

3.2 Connect Percent and Proportion

EQ: How are equivalent ratios and percents related?

Obj: Construct a proportion and use a percent proportion to find an unknown part, whole, or percent.

Handout then p. 152 4-5, 7-10	Khan Academy	IXL
Handout then p. 152 4-5, 7-10, 14-15	Nian Academy	IXL

3.1-3.2 Review

p. 186 1-3 and 1-3 (Regular and Honors)

3.3 Represent and Use the Percent Equation

EQ: How can proportional reasoning be used to develop the percent equation, which in turn can be used to find the percent, part, or whole?

Obj: Understand the relationship between proportional reasoning and percent and interpret the results of a percent equation in a real-life scenario.

p. 158 4-5, 7-8, 13-16, 19	Khan Academy	IXL
p. 158 4-5, 7-8, 13-17a, 19	<u>retain neaderny</u>	17 NE

3.4 Solve Percent Change and Percent Error Problems

EQ: How can the percent equation be used in different ways?

Obj: Solve real-world problems involving percent change and percent error and understand the percent equation and the different ways it can be used.

p. 166 4, 6-11, 13	Vhan Acadomy	IXL
p. 166 4, 6-11, 13	<u>Khan Academy</u>	IXL

3.3-3.4 Review

p. 187 1-2 and 1-2 (Regular and Honors)

3.5 Solve Markup and Markdown Problems

EQ: How are markups and markdowns related to percent increases and decreases?

Obj: Understand and calculate markups and markdowns and relate percent change to percent markup and percent markdown.

p. 176 4, 6-8, 10a, 11-12, 16	Khan Academy	IXL
p. 176 4, 6-8, 10a, 11-13, 16		IXL

3.6 Solve Simple Interest Problems		
EQ: What are the parts of the simple interest formula	a?	
Obj: Identify the parts of interest problems and how v	values are related and understand what simple intere	est is and how it is calculated.
p. 182 4-8, 10, 17	Mana Anadama	IVI
p. 182 4-8, 10, 15a, 17	<u>Khan Academy</u>	IXL
C3 Review		

Topic 3 Assessment (Regular and Honors)

4 Generate Equivalent Expressions

4.1 Write and Evaluate Algebraic Expressions EQ: How are algebraic expressions used to represent and solve problems? Obj: Understand how variables are used to represent unknown values in problems. p. 200 4-20 Khan Academy IXL p. 200 4-20 4.2 Generate Equivalent Expressions EQ: How does rearranging or combining like terms change the value of an expression? Obj: Recognize when two expressions are equivalent and use properties of operations to write equivalent expressions. p. 206 4-10, 12-13, 18 Khan Academy **IXL** p. 206 4-10, 12-13, 17a, 18 4.1-4.2 Review p. (Regular and Honors) 4.3 Simplify Expressions EQ: How are like terms combined in order for expressions to be simplified? Obj: Combine like integer and rational terms. p. 212 4-16, 20 Khan Academy IXL p. 212 4-16, 18, 20 4.4 Expand Expressions EQ: How do expanded expressions represent an equivalent way to represent the original expression? Obj: Use the distributive property to expand expressions. p. 218 4-14, 19-20, 22-23 Khan Academy IXL p. 218 4-14, 19-23 4.5 Factor Expressions EQ: How are the distributive property and common factors used to factor expressions? Obj. Understand expanding an expressions is the reverse of factoring and identify the GCF of algebraic terms in expressions. p. 224 3-9, 11, 16a, 18-19 **IXL** Khan Academy p. 224 3-9, 11, 15-16a, 18-19 4.3-3.5 Review p. (Regular and Honors)

4.6 Add Expressions

EQ: How do the same rules apply for coefficients and constants when adding expressions?

Obj: Use properties of operations to add expressions and model add	lition of expressions in real-life appl	ications.			
p. 236 6-14b, 15-16, 19a				VI A J	IVI
p. 236 6-14b, 15-17a, 18-19a	<u>Khan Academy</u>	IXL			
4.7 Subtract Expressions					
EQ: Why do you add the inverse when subtracting expressions?					
Obj: Use properties of operations to subtract expressions.					
p. 242 4, 6-10, 15, 19a, 20	Khan Academy	IXL			
p. 242 4, 6-10, 12, 14-15, 19a, 20		IXL			
4.8 Analyze Equivalent Expressions					
EQ: Why is understanding mathematical structure or patterns impor	tant for solving deeper, unconventio	onal expressions?			
Obj: Write equivalent expressions to show how quantities are related	d in real-life applications.				
p. 248 5, 8-11a, 12, 16a	Khan Academy	IVI			
p. 248 5, 8-11a, 12, 15-16a		IXL			
C4 Review					
Topic 4 Assessment (Regular and Honors)					

5 Solve Problems Using Equations and Inequalities

5.1 Write Two-Step Equations		
EQ: How can equations with more than one operation be used to	represent a situation?	
Obj: Analyze word problems to write two-step equations and undervalues they represent.	erstand the relationship between the t	terms of the equation and the
p.	Khan Academy	IXL
p.	Nian Academy	IAL
5.2 Solve Two-Step Equations		
EQ: How are one- and two-step problems both solved using the p	roperties of equality?	
Obj: Use models to solve two-step equations and compare algebra	aic and arithmetic solutions.	
р.	Khan Academy	IXL
þ.	Midit Academy	//L
5.3 Solve Equations Using the Distributive Property		
EQ: How can the distributive property be used to solve equations	of the form $p(x+q)=r$?	
Obj: Solve equations using the distributive property.		
p.	Khan Academy	IXL
p.	relative	<i>//</i> C
5.4 Solve Inequalities Using Addition or Subtraction		
EQ: How is solving inequalities with addition and subtraction the s	ame as solving equations?	
Obj: Graph the solution of inequalities on a number line and solve	inequalities using the addition and su	ubtraction properties of equality.
p.	Vhan Asadomy	IVI
þ.	Khan Academy	IXL
		1
5.5 Solve Inequalities Using Multiplication or Division		
EQ: How is solving inequalities with multiplication and division sim	ilar to solving an equation? What is th	ne biggest difference?
Obj: Write inequalities and solve them using the multiplication and	d division properties of inequality.	
p.	Khan Academy	IXL
þ.	NIGH ACCIDENTLY	I/AL
5.6 Solve Two-Step Inequalities		
EQ: What is the process for solving a two-step inequality?		

lve an inequality by multiplying or c	lividing by a negative rational
Khan Academy	IXL
relati / teaderny	IXE
i-step inequalities and apply the dis	tributive property to simplify and
Vhan Acadomy	IXL
MIGH Academy	I/AL
	Ive an inequality by multiplying or a Khan Academy i-step inequalities and apply the dis Khan Academy

8 Solve Problems Involving Geometry

EO: How can you use a scale drawing to calculate m	neasurements and reproduce proportional scale drawing	ac)
Obj: Use a scale drawing as a representation of actu		gs:
p.	an lengths and area.	
p.	Khan Academy	IXL
ν.		
8.2 Draw Geometric Figures		
EQ: What are the relationships between sides and a	ngles in different types of quadrilaterals?	
Obj: Sketch quadrilaterals with given conditions and	name and classify quadrilaterals according to their prop	perties.
p.	Khan Academy	IXL
p.	rolan neaderny	<i>17</i> \L
8.3 Draw Triangles with Given Conditions		
EQ: What are the conditions for triangles?		
_	nclude whether or not a triangle is formed and what ty	the of triangle it is.
p.		pe of arange resor
	Khan Academy	IXL
p.		
8.4 Solve Problems Using Angle Relationship	S	
EQ: How can angle measures be determined when o	certain conditions about rays and lines are known?	
EQ: How can angle measures be determined when a Obj: Calculate the measures of angles by using angle	,	
	relationships.	IXI
Obj: Calculate the measures of angles by using angle	,	IXL
Obj: Calculate the measures of angles by using angle p.	relationships.	IXL
Obj: Calculate the measures of angles by using angle p. p.	relationships. Khan Academy	IXL
Obj: Calculate the measures of angles by using angle p. p. 8.5 Solve Problems Involving Circumference	relationships. Khan Academy of a Circle	IXL
Obj: Calculate the measures of angles by using angle p. p. 8.5 Solve Problems Involving Circumference EQ: How are the circumference and radius of a circle	relationships. Khan Academy of a Circle	
Obj: Calculate the measures of angles by using angle p. p. 8.5 Solve Problems Involving Circumference EQ: How are the circumference and radius of a circle Obj: Calculate the circumference, radius, or diameter	of a Circle e related?	

EQ: How do we use formulas to find missing information?

Obj: Find the area of a circle, use the area to find the radius and diameter, and solve problems involving the area of a circle.

p.	Khan Academy	IXL
p.	,	
8.7 Describe Cross Sections		
EQ: What does a cross section represent?		
Obj: Describe the cross sections of right rectangular prisms and pyro	nmids and solve problems involving c	ross sections.
p.	Khan Academy	IXL
þ.	Nian Academy	I/AL
8.8 Solve Problems Involving Surface Area		
EQ: What are two different methods for finding the surface area of	a three-dimensional figure?	
Obj: Find the surface area of two-dimensional composite shapes and	d find the surface area of three-dime	ensional composite shapes.
p.	Khan Academy	IXL
p.	Nidit Academy	I/AL
8.9 Solve Problems Involving Volume		
EQ: How is volume calculated?		
Obj: Calculate the volume of various three-dimensional figures and s	colve problems involving the volume	of three-dimensional figures.
p.	Khan Academy	IXL
þ.	Main Academy	I/AL

6 Use Sampling to Draw Inferences About Populations

6.1 Populations and Samples		
EQ: Why must representative samples reflect the entire population?		
Obj: Distinguish between a population and a sample, establish wheth samples.	ner a sample is representative of a p	population, and generate random
p.	Khan Academy	IXL
p.	Nian Academy	INL
6.2 Draw inferences from Data		
EQ: How can data from random samples be used to make inference	es about a population?	
Obj: Make qualitative inferences from a sample data set, make quar about a population based on a sample date set and assess whether		ata set, and make estimates
p.	Khan Academy	IXL
Þ.	Man Academy	IXL
	'	
6.3 Make Comparative Inferences About Populations		
·	Augusta about two populations?	
EQ: How can data displays be used to make informal comparative in		deterate to informable combine
Obj: Use box plots to compare and make inferences about population and make inferences about two populations.	ins and use the median and iQR of	datasets to informally compare
p.	VI Ado	IXL
p.	Khan Academy	IXL
6.4 Make More Comparative Inferences About Population	c	
·		
EQ: How can you use dot plots to compare populations based on m	·	
Obj: Use the mode, range, mean, and mean absolute deviation to co	mpare populations.	
p.	Khan Academy	IXL
p.		\

7.1 Understand Likelihood and Probability		
EQ: What is probability and how is it measured?		
Obj: Use probability to describe the likelihood that	an event will occur.	
p.	Khan Academy	IXL
р.	relative teaching	17 \L
7.2 Understand Theoretical Probability		
EQ: How is theoretical probability measured?		
Obj: Understand theoretical probability and how it	can be used and use theoretical probability to predict ar	n outcome.
p.	Khan Academy	IXL
p.	Midil Academy	IXL
7.3 Understand Experimental Probability		
EQ: Through what method is experimental probab	ility determined?	
	ility determined? bility, use experimental probability to make predictions, a	nd explain differences
Obj: Compare theoretical and experimental probal	bility, use experimental probability to make predictions, a	
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p.	,	nd explain differences
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p. p.	bility, use experimental probability to make predictions, a	
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p. p. 7.4 Use Probability Models	bility, use experimental probability to make predictions, a	
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p. p. 7.4 Use Probability Models EQ: What are the components of a probability models	bility, use experimental probability to make predictions, a	IXL
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p. p. 7.4 Use Probability Models EQ: What are the components of a probability model. Obj: Develop a probability model, use a probability	bility, use experimental probability to make predictions, a Khan Academy odel? model to evaluate a situation, and use a probability model.	IXL del make an estimate.
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p. p. 7.4 Use Probability Models EQ: What are the components of a probability model. Obj: Develop a probability model, use a probability	bility, use experimental probability to make predictions, a Khan Academy odel?	IXL
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p. p. 7.4 Use Probability Models EQ: What are the components of a probability model; Obj: Develop a probability model, use a probability p.	bility, use experimental probability to make predictions, a Khan Academy odel? model to evaluate a situation, and use a probability model.	IXL del make an estimate.
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p. p. 7.4 Use Probability Models EQ: What are the components of a probability model; Develop a probability model, use a probability p. p.	bility, use experimental probability to make predictions, a Khan Academy del? model to evaluate a situation, and use a probability model. Khan Academy	IXL del make an estimate.
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p. p. 7.4 Use Probability Models EQ: What are the components of a probability model; Obj: Develop a probability model, use a probability p.	Khan Academy The model to evaluate a situation, and use a probability model. Khan Academy Khan Academy Khan Academy	IXL del make an estimate.
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p. p. 7.4 Use Probability Models EQ: What are the components of a probability model; use a probability podel; Develop a probability model, use a probability podel. P. p. p. p. p. p. How are the possible outcomes of a compound EQ: How are the possible outcomes of	Khan Academy The model to evaluate a situation, and use a probability model. Khan Academy Khan Academy Khan Academy	IXL del make an estimate. IXL
Obj: Compare theoretical and experimental probable between theoretical and experimental probability. p. p. 7.4 Use Probability Models EQ: What are the components of a probability model, use a probability p. p. p. 7.5 Determine Outcomes of Compound EQ: How are the possible outcomes of a compound	Khan Academy Man Academy Man Academy Man Academy Man Academy Man Academy Khan Academy Khan Academy Khan Academy Khan Academy	IXL del make an estimate. IXL

p.		D. 4
р.	Khan Academy	IXL
7.7 Simulate Compound Events		
EQ: What are some common objects that can be used to practice e.	xperimental probability?	
	roal world situation involving a com	bound event and bredict its
, ,	ear-world situation involving a corn	pound event and predice its
Obj: Use different tools to simulate a compound event and model a outcome using a simulation. p.	Khan Academy	IXL