Math Book Reference List

Semester 1:			
		Unit 1	
Lesson Number	***Topic***	***I-Ready Lessons to Assign with...***	***Workbook pages for reference***
1	*Solve Problems Involving Scale*	Solve problems involving scale drawings of geometric figures.	Pages 3 - 30
2	*Find Unit Rates Involving Ratios of Fractions*	Compute unit rates associated with ratios of fractions.	Pages 31-36
3	*Understand Proportional Relationships*	Identify the constant of proportionality (unit rate). Represent proportional relationships by equations.	Pages 47 - 58
4	*Represent Proportional Relationships*	Explain what a point (x, y) on the graph of a proportional relationship means in terms of the situation.	Pages 59 - 80
5	*Solve Proportional Relationship Problems*	Use proportional relationships to solve multistep ratio and percent problems.	Pages 81 - 96
6	*Solve Area and Circumference Problems Involving Circles*	Know the formulas for the area and circumference of a circle and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a circle.	Pages 97 - 118
		Unit 2	
Lesson Number	***Topic***	***I-Ready Lessons to Assign with...***	***Workbook pages for reference***
7	*Understand Addition with Negative Numbers*	Describe situations in which opposite quantities combine to make 0. Show that a number and	Pages 135 - 146

		its opposite have a sum of o (are additive inverses).	
8	*Add with Negative Numbers*	Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.	Pages 147 - 168
9	*Understand Subtraction with Negative Numbers*	Show that the distance between two rational numbers on the number line is the absolute value of their difference, and apply this principle in real-world contexts.	Pages 169 - 180
10	*Add and Subtract Positive and Negative Numbers*	Apply properties of operations as strategies to add and subtract rational numbers.	Pages 181 - 202
Semester 2:			
Unit 3			
Lesson Number	***Topic***	***I-Ready Lessons to Assign with...***	***Workbook pages for reference***
11	*Understand Multiplication with Negative Integers*	Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations.	Pages 219 - 230
12	*Multiply and Divide with Negative Numbers*	Understand that integers can be divided, and every quotient of integers is a rational number. Apply properties of operations as strategies to multiply and divide rational numbers.	Pages 231 - 252
13	*Express Rational Numbers as Terminating or Repeating*	Convert a rational number to a decimal using long division. Solve multi-step problems posed with	Pages 253 - 274

	Decimals	positive and negative rational numbers in any form.	
14	*Use the Four Operations with Negative Numbers*	Solve real-world and mathematical problems involving the four operations with rational numbers.	Pages 275 - 290
Unit 4			
Lesson Number	***Topic***	***I-Ready Lessons to Assign with...***	***Workbook pages for reference***
15	*Write Equivalent Expressions Involving Rational Numbers*	Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.	Pages 307 - 328
16	*Understand Reasons for Rewriting Expressions*	Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related.	Pages 329 - 340
17	*Understand Multi-step Equations*	Use variables to represent quantities in a problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.	Pages 341 - 352
18	*Write and Solve Multi-step Equations*	Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach.	Pages 353 - 374
19	*Write and Solve Inequalities*	Graph the solution set of the inequality and interpret it in the context of the problem.	Pages 375 - 402
Unit 5			
Lesson Number	***Topic***	***I-Ready Lessons to Assign with...***	***Workbook pages for reference***
20	*Solve Problems Involving Percents*	Use proportional relationships to solve multistep ratio and percent problems.	Pages 419 - 446

21	*Solve Problems Involving Percent Change and Percent Error*	Use proportional relationships to solve multistep ratio and percent problems.	Pages 447 - 468
22	*Understand Random Sampling*	Understand that statistics can be used to get information about a group by examining a sample of the population. Get that random sampling can give good data.	Pages 469 - 480
23	*Reason About Random Samples*	Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. Generate samples of the same size to gauge the variation.	Pages 481 - 502
24	*Compare Populations*	Informally assess the degree of visual overlap of two numerical data distributions with similar variabilities. Use measures of center and measures of variability for data to draw informal comparative inferences about populations.	Pages 503 - 524
Unit 6			
Lesson Number	***Topic***	***I-Ready Lessons to Assign with...***	***Workbook pages for reference***
25	*Solve Problems Involving Area and Surface Area*	Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects.	Pages 541 - 568
26	*So9lve Problems Involving Volume*	Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects.	Pages 569 - 590
27	*Describe Plane Sections of Three Dimensional*	Describe the two-dimensional figures that result from slicing three-dimensional figures, as in	Pages 591 - 606

	Figures	plane sections of right rectangular prisms and right rectangular pyramids.	
28	*Find Unknown Angle Measures*	Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.	Pages 607 - 628
29	*Draw Plane Figures with Given Conditions*	Draw geometric shapes with given conditions. Focus on constructing triangles from three measures of angles or sides.	Pages 629 - 656
Unit 7			
Lesson Number	***Topic***	***I-Ready Lessons to Assign with...***	***Workbook pages for reference***
30	*Understand Probability*	Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood.	Pages 673 - 684
31	*Solve Problems Involving Experimental Probability*	Approximate the probability of a chance event by collecting data on the chance process that produces it. Develop a probability model and use it to find probabilities of events.	Pages 685 - 706
32	*Solve Problems Involving Probability Models*	Develop a uniform probability model by assigning equal probability to all outcomes. Develop a probability model.	Pages 707 - 728
33	*Solve Problems Involving Compound Events*	Find probabilities of compound events. Understand that the probability of a compound event is the fraction of outcomes.	Pages 729 - 756