Grade 6 Math Student Progress Checklist

Unit	#	Lesson	Title	Week	Topic	Date Completed	Practice Problems Completed?	Rate your mastery on a scale of 1-10
Area and Surface Area	6.1.1	1	Shapes on a Plane	Week 1 Aug 21-24	Exploring Area			
	6.1.2	2	Letters		Area Strategies			
	6.1.3	3	Exploring Parallelograms		Parallelograms on a Grid			
	6.1.4	4	Off the Grid		Calculating Areas of Parallelograms			
	6.1.5	5	Exploring Triangles	Week 2 Aug 28-31	Triangles on a Grid			
	6.1.6	6	Triangles and Parallelograms		Generalizing the Area of a Triangle			
	6.1.7	7	Off the Grid Part 2		Applying the Formula for the Area of a Triangle			
	Quiz		Quiz					
	6.1.10	8	Plenty of Polyhedra		Polyhedra and Their Faces			
	6.1.11	9	Nothing but Nets	Week 3 Sep 4-7	Nets and Surface Area on a Grid			
	6.1.12	10	Face Value		Surface Area Off of a Grid			
	6.1.13	11	Take It To Go		Surface Area in Context			
	End		End Assessment					
Introducing Ratios and Rates	6.2.2	12	Ratio Rounds	Week 4 Sep 11-14	Describing Ratios			
	6.2.3	13	Rice Ratios		Introduction to Equivalent Ratios			
	6.2.5	14	Balancing Act		Introduction to Double Number Lines			
	6.2.6	15	Product Prices		Unit Prices			
	6.2.7	16	Mixing Paint Part 1	Week 5 Sep 18-21	Comparing Ratios			
	6.2.8	17	World Records		Comparing Speeds			
	6.2.9	18	Disaster Preparation		Using Ratio Tables with Large Quantities			
	6.2.10	19	Balloons		Solving Multistep Ratio Problems			
	6.2.12	20	Mixing Paint Part 2	Week 6 Sep 25-28	Part-Part-Whole Ratios			
	6.2.13	21	City Planning		Applying Part-Part-Whole Ratios			
	Quiz		Quiz					
	6.3.1	22	Many Measurements		Everyday Measurements			
	6.3.2/ 6.3.3	23	Counting Classrooms / Pen Pals		Measuring and Converting Units			
	6.3.4	24	Model Trains	Week 7 Oct 2-5	Comparing Rates			
	6.3.5	25	Soft Serve		Two Unit Rates			
	6.3.6	26	Welcome to the Robot Factory		Using Unit Rates			
	End		End Assessment					
Fractions and Decimals	6.4.3	27	Flour Planner		How Many Groups Part 1			
	6.4.4	28	Flower Planters	Week 8 Oct 9-12	How Many in Each Group			
	6.4.5	29	Garden Bricks		How Many in Each Group			
	6.4.6	30	Fill the Gap		More or Less Than One Group			
	6.4.7	31	Break It Down		Using Common Denominators to Divide Fractions			
	6.4.8	32	Potting Soil	Week 9 Oct 16-19	Dividing by Unit Fractions			
	6.4.9	33	Division Challenges		Two Strategies for Dividing Fractions			
	6.4.10	34	Classroom Comparisons		Comparing Fractional Lengths			
	6.4.12	35	Puzzling Areas		Areas with Fractional Dimensions			
	Quiz		Quiz					
	6.5.1/ 6.5.2	36	Dishing out Decimals/Decimal Diagrams	Week 10 Oct 23-26	Representing Decimals			
	6.5.3/ 6.5.4	37	Fruit by the Pound/Missing Digits		Adding and Subtracting Decimals			
	6.5.5	38	Decimal Multiplication		Introduction to Multiplying Decimals			
	6.5.6	39	Multiplying with Areas		Using Area Models to Multiply Decimals			
	6.5.7	40	Multiplication Methods		Multiplying Decimals Using Vertical Calculations			
	6.5.8	41	Division Diagrams	Week 11 Oct 30-Nov	Making Sense of Decimal Division			
	6.5.9	42	Long Division Launch		Long Division and Decimals			
	6.5.10	43	Return of the Long Division		Long Division with Remainders			
	6.5.13	44	Grocery Prices		Percentages as Decimals			
	End		End Assessment					
Expressions and Equations	6.6.1	45	Weight for It	Week 12 Nov 6-9	Reasoning About Unknown Values			
	6.6.2	46	Five Equations		Tape Diagrams, Equations, Contexts			
	6.6.3	47	Hanging Around		Introduction to Balanced Hangers			
	6.6.4	48	Hanging It Up		Solving Equations			
	6.6.5	49	Swap and Solve	Week 13 Nov 13-16	Solving Equations in Context			
	6.6.6	50	Vari-apples		Introduction to Variable Expressions			
	6.6.7	51	Border Tiles		Equivalent Expressions			
	6.6.8	52	Products and Sums		Distributive Property Part 1			
	6.6.9	53	Products, Sums, and Differences	Week 14 Nov 27-Nov 3	Distributive Property Part 2			
	Quiz		Quiz					
	6.6.10	54	Powers		What are Exponents?			
	6.6.11	55	Exponent Expressions		Exponents and Order of Operations			
	6.6.12	56	Squares and Cubes	Week 15 Dec 4-7	Exponent Expressions With Variables			
	6.6.13	57	Turtles All the Way		Stories and Tables and Variables, Oh My!			
	6.6.14	58	Representing Relationships		Interpreting Graphs of Relationships			
	6.6.15	59	Connecting Representations		Tables, Equations, and Graphs of Relationships			
	6.6.16	60	Subway Fares		Applying Relationships			
	End		End Assessment					
Start New Unit	7.2.2	61	Balloon Float	Week 16 Dec 11-14	Introducing Proportional Relationships With Tables			
	7.2.3	62	Sugary Drinks		Constant of Proportionality			
	7.2.4	63	Robot Factory		Two Equations for Each Relationship			
			Semester Ends					

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Unit	#	Lesson	Title	Week	Topic	Date Completed	Practice Problems Completed?	Rate your mastery on a scale of 1-10
Introducing and Applying Proportional Relationships	7.2.5	64	Snapshots	Week 1 Jan 16-18	More Equations of Proportional Relationships			
	7.2.7	65	All Kinds of Equations		Equations of Proportional Relationships			
	7.2.8	66	DinoPops		Introducing Graphs of Proportional Relationships			
	7.2.9	67	Gallon Challenge		Interpreting Graphs of Proportional Relationships			
	7.2.10	68	Three Turtles		Proportional Relationships and Graphs			
	7.2.Quiz		Quiz	Week 2 Jan 22-25				
	7.3.1	69	Toothpicks		Perimeter and proportional relationships			
	7.3.3	70	Measuring Around		Let's Put it to Work			
	7.3.4	71	Perimeter Challenges		Estimating and Calculating Circumference			
	7.3.5	72	Area Strategies.	Week 3 Jan 29-Feb 1	Estimating and Calculating Area			
	7.3.6	73	Radius Squares		Exploring Circle Area			
	7.3.7	74	Why Pi?		Relating Area to Circumference			
	7.3.8	75	Area Challenges		Calculating Areas of Complex Shapes			
	7.3 End	12	End Assessment					
Percentages	6.3.8	76	Lucky Duckies	Week 4 Feb 5-8	Benchmark Percentages			
	6.3.9	77	Bicycle Goals		Friendly Percentages			
	6.3.11	78	Cost Breakdown		Any Percentage of a Number			
	6.3.12	79	More Bicycle Goals		Unknown Percentages			
	6.3.13	80	A Country as a Village		Apply Ratios, Rates, and Percentages			
	6.3.Quiz	17	Quiz	Week 5 Feb 12-15				
	7.4.2	81	Peach Cobbler		Rates and Ratios With Fractions			
	7.4.3	82	Sticker Sizes		Revisiting Proportional Relationships			
	7.4.4	83	More and Less		Percent Increase and Decrease with Tape Diagrams			
	7.4.5	84	All the Equations	Week 6 Feb 20-22	Percent Increase and Decrease with Equations			
	7.4.6	85	100%		Percent Increase and Decrease on Double Number Lines			
	7.4.7	86	Percent Machines		Calculating Unknowns With Percentages			
	7.4.8	87	Tax and Tip		Multistep Percent Problems			
	7.4.9	88	Minimum Wage	Week 7 Feb 26-Feb 29	Real-World Situations Involving Percent Increase, Part 1			
	7.4.11	89	Bookcase Builder		Percent Error			
	7.4.12	90	Posing Percent Problems		Analyze Data Using Percentages			
	7.4.End	27	End Assessment					
Rational Numbers	6.7.1	91	Can You Dig It?	Week 8 Mar 4-7	Positive and Negative Numbers			
	6.7.2	92	Digging Deeper		Positions on the Number Line			
	6.7.3	93	Order in the Class		Comparing Numbers			
	6.7.4	94	Sub-Zero		Positive and Negative Numbers in Context			
	6.7.5	95	Distance on the Number Line	Week 9 Mar 11-14	Introduction to Absolute Value			
	7.5.1	96	Floats and Anchors		Representing Adding and Subtracting			
	7.5.2	97	More Floats and Anchors		Adding and Subtracting Integers			
	7.5.3	98	Bumpers		Adding and Subtracting Rational Numbers			
	7.5.4	99	Draw Your Own		Number Lines and Expressions			
	7.5.5	100	Number Puzzles	Week 10 Mar 18-21	Practice Adding and Subtracting			
	7.5.Quiz		Quiz					
	7.5.6	101	Floating in Groups		Representing Multiplying and Dividing			
	7.5.7	102	Back in Time		Position, Rate, and Time			
	7.5.8	103	Speeding Turtles		Multiplying and Dividing Signed Numbers			
	7.5.10	104	Integer Puzzles	Week 11 Apr 1-4	Practice With All Four Operations			
	7.5.11	105	Changing Temperatures		Real-World Situations Involving Positive and Negative Numbers			
	6.7.9	106	Sand Dollar Search		Points in the Coordinate Plane			
	6.7.10	107	The A-maze-ing Coordinate Plane	Week 12 Apr 8-11	Practice Plotting			
	6.7.11	108	Polygon Maker		Polygons in the Plane			
	6.7 / 7.5		End Assessment					
Data Sets and Distributions		109	Catch Up Day		TBD			
	6.8.2	110	Dot plots		Polygons in the Plane			
	6.8.5	111	The Plot Thickens	Week 13 Apr 15-18	Introduction to Histograms			
	6.8.7	112	Snack Time		Introduction to the Mean			
	6.8.9	113	Hoops		Mean Absolute Deviation			
	6.8.11	114	Toy Cars		Introducing the Median			
	6.8.13	115	Pumpkin Patch		Introduction to Quartiles			
	6.8.14	116	Car, Plane, Bus, or Train?	Week 14 Apr 22-25	Box Plots, IQR, and Range			
	6.8.Quiz		Quiz					
	7.8.10	117	Crab Island		Sampling From Large Populations			
	7.8.11	118	Headlines		Sampling Bias			
	7.8.12	119	Flower Power		Using Percentages to Predict Populations			
	7.8.14	120	School Newspaper	Week 15 Apr 29-2	Comparing Populations			
	7.8.2	121	Prob-bear-bilities		Intro to Probability			
	7.8.3	122	Mystery Bag		Predicting Sample Spaces			
	7.8.5	123	Is It Fair?	Week 16 May 6-9	Comparing Probabilities and Experiments			
	7.8.6	124	Fair Games		Multistep Events			
	7.8.7	125	Weather or Not		Estimating Probabilities Using Simulation			
	7.8 End	End	End Assessment					