OnTRACK Grade 8 Math (2014 TEKS)

Module	Lesson Title and Descriptor	2014 TEKS
1 **Number and Operation**	Representing Sets of Real Numbers (future lesson)	8.2A
	Approximating the Value of Irrational Numbers	8.2B
	Expressing Numbers in Scientific Notation	8.2C
	Comparing and Ordering Rational Numbers	8.2D
2 **Proportionality**	Generalizing Proportions from Similar Figures	8.3A
	Graphing Dilations, Reflections and Translations	7.5A 7.5C 8.3B 8.3C 8.10A
	Graphing and Applying Coordinate Dilations	8.3B 8.3C 8.10A 8.10B
	Developing the Concept of Slope	8.4A
	Graphing Proportional Relationships	8.4B
	Determining Slopes from Equations, Graphs, and Tables	8.4C
	Using Multiplication by a Constant Factor	8.5A
	Generating Different Representations of Relationships	8.5A 8.5B 8.5I
	Predicting, Finding and Justifying Data from a Table	8.5A 8.5B 8.5I 8.5E
	Predicting, Finding and Justifying Data from a Graph	8.5A 8.5B 8.5I 8.5E

	Predicting, Finding and Justifying Data from an Equation	8.5A 8.5B 8.5I 8.5E
	Predicting, Finding and Justifying Data from Verbal Descriptions	8.5A 8.5B 8.5I 8.5E
	Analyzing Scatterplots	8.5C 8.5D 8.11A
	Comparing and Contrasting Proportional and Non-proportional Linear Relationships	8.5F 8.5H
	Determining if a Relationship is a Functional Relationship	8.5G
3 Expressions, Equations, and Relationships	Using Models to Connect to and Understand Volume Formulas	8.6A 8.6B
	Demonstrating the Pythagorean Theorem	8.6C
	Estimating Measurements and Using Formulas: Surface Area	8.7A
	Estimating Measurements and Using Formulas: Volume	8.7B
	Estimating Measurements and Using Models and Formulas: 3-Dimensional Figures	8.7A 8.7B
	Using the Pythagorean Theorem to Solve Indirect Measurements	8.7C 8.7D
	Writing and Solving Equations with Variables on Both Sides (future lesson)	8.8A 8.8C 8.8B
	Writing Geometric Relationships	8.8D
	Solutions of Simultaneous Equations	8.9
4 Two-Dimensional Shapes, Measurement, and Data	Comparing and Explaining Transformations	8.10A 8.10C 8.10B
	Determining the Effects of Proportional Change on Perimeter	8.10D
	Determining the Effects of Proportional Change on Area	8.10D
	Mean Absolute Deviation	8.11B
	Generalizing about Populations from Random Samples	8.11C