

# 8th Grade Math Scope and Sequence 16-17

Week	Standards	Instructional Content	Activities	Assessments
1	8.NS.1	1-1 Rational numbers as decimals	Pearson Interactive Online Activities	Diagnostic Test (Quiz)
	8.NS.2	1-2 Understand irrational numbers	Workbook	
	P.S.1-8	1-3 Compare and order real numbers	Group Collaboration  Centers	
2	8.NS.3	1-4 Evaluate square roots and cube roots	Pearson Interactive Online Activities	Test 1: 1-1 thru 1-5
	8.NS.4	1-5 Solve equations using square roots and cube roots	Workbook	
	8.C.1	1-6 Understand integer exponents	Group Collaboration	
	P.S.1-8		Centers	
3	8.NS.3	1-7 Use properties of integer exponents	Pearson Interactive Online Activities	Quiz 1: Square/Cube Roots
	8.C.1	1-8 Use powers of 10 to estimate quantities	Workbook	Integer Exponents
	8.C.2	1-9 Understand scientific notation	Group Collaboration	Properties of Integer Exponents
	P.S.1-8		Centers	
4	8.C.1	1-10 Operations with numbers in scientific notation	Pearson Interactive Online Activities	Test 2: 1-1 thru 2-1

	8.C.2 P.S.1-8	2-1 Collect like terms to solve equations	Workbook Group Collaboration Centers	
5	8.AF.1 P.S.1-8	2-2 Solve equations with variables on both sides 2-3 Solve multi-step equations	Pearson Interactive Online Activities Workbook Group Collaboration Centers	Quiz 2: Operations w/Scientific Notation Like Terms Variables on both sides Multi-Step Equations
6	8.AF.1 8.AF.2 8.AF.7 P.S.1-8	2-4 Equations with no solutions or infinitely many solutions 2-5 Compare proportional relationships	Pearson Interactive Online Activities Workbook Group Collaboration Centers	Test 3: 2-1 thru 2-5 Spiral Ch. 1
7	8.AF.6 P.S.1-8	2-6 Connect proportional relationships and slope 2-7 Analyze linear equations: $y = mx$	Pearson Interactive Online Activities Workbook Group Collaboration Centers	Quiz 3: 2-4, 2-6 & 2-7

8	8.AF.5 8.AF.6 P.S.1-8	2-8 Understand the y-intercept of a line 2-9 Analyze linear equations: $y = mx + b$	Pearson Interactive Online Activities Workbook Group Collaboration Centers	Test 4: 2-6 thru 2-9 Spiral
9	8.AF.3 8.AF.5 8AF.7 P.S.1-8	3-1 Understand relations and functions 3-2 Connect representations of functions 3-3 Compare linear and nonlinear functions	Pearson Interactive Online Activities Workbook Group Collaboration Centers	Quiz 4: 3-1 thru 3-3
10	8.AF.4 8.AF.6 8.AF.7 P.S.1-8	3-4 Construct functions to model linear relationships 3-5 Intervals of increase and decrease 3-6 Sketch functions from verbal descriptions	Pearson Interactive Online Activities Workbook Group Collaboration Centers	Test 5: Ch. 3 Spiral on slope and equations
11	8.AF.5 8.AF.6 8.DSP.1	4-1 Construct and interpret scatterplots 4-2 Analyze linear associations	Pearson Interactive Online Activities Workbook Group Collaboration	Quiz 5: 4-1 & 4-2

	8.DSP.2 8.DSP.3 P.S.1-8		Centers	
12	8.AF.5 8.AF.6 8.DSP.3 P.S.1-8	4-3 Use linear models to make predictions 4-4 Interpret two-way frequency tables 4-5 Interpret two-way relative frequency tables	Pearson Interactive Online Activities Workbook Group Collaboration Centers	Test 6: Ch. 4
13	8.NS.1 8.NS.2 8.NS.3 8.NS.4 8.C.1 8.C.2 8.AF.1 8.AF.2 8.AF.3 8.AF.4 8.AF.5 8.AF.6 8.AF.7 8.DSP.1 8.DSP.2 8.DSP.3 P.S.1-8	Review/Enrichment		Final Exam - All Trimester 1 material