

#### Chapter 1 Whole Numbers

Lesson	Торіс	NJSLS	
1-1 Long Division with Remainders	A) Long Division with and without Remainders	6.NS.B.2	
1-2 Long Division with Mixed Number Quotients	A) Long Division with Mixed Number Quotients	6.NS.B.2	
	A) Equivalent Divisions		
1-3 Horizontal Division	B) Dividing with Multiples of 10	6.NS.B.2	
	C) Horizontal Division	-	
1-4 Divisibility Tests	A) Divisibility Tests	6.NS.B.2	
	A) Multiples		
1 C Multiples and Festers	B) Least Common Multiples	6.NS.B.4	
1-5 Multiples and Factors	C) Factors		
	D) Greatest Common Factors		
	A) Multiplication Symbols		
	B) Defining Powers		
1-6 Exponents	C) Writing Expressions as Powers	6.EE.A.1 6.EE.A.4	
	D) Evaluating Powers	0.22.7.14	
	E) Missing Values in Power Equations		
1-7 Order of Operations	A) Order of Operations	6.EE.A.1	
	A) Prime and Composite Numbers		
1-8 Prime Factorization	B) Prime Factorization Using a Completed Factor Tree	6.EE.A.1	
	A) Greatest Common Factors	6.NS.B.4	
1-9 GCF and LCM	B) Least Common Multiples		



#### Chapter 2 Fractions

Lesson	Торіс	NJSLS
	A) Fractions on Number Lines	6.NS.C.6.c
	B) Whole Numbers as Fractions	
2-1 Representing Fractions	C) Equivalent Fractions	
Tractions	D) Simplifying Fractions	_
	E) Mixed Numbers as Improper Fractions	_
2-2 Comparing Fractions	A) Comparing Fractions	6.NS.C.7.b
2-3 Adding Fractions	A) Adding Fractions and Mixed Numbers	5.NF.A.1
2-4 Subtracting Fractions	A) Subtracting Fractions and Mixed Numbers	5.NF.A.1
	A) Comparing Fractional Products and Factors	6.EE.A.1
2-5 Multiplying Fractions	B) Multiplying Fractions	
	C) Powers of Nonnegative Fractions	_
	A) Comparing Fractional Quotients and Dividends	
2-6 Dividing Fractions	B) Reciprocals	6.NS.A.1
	C) Dividing Fractions	_



#### Chapter 3 Decimals

Lesson	Торіс	NJSLS
	A) Decimals on Number Lines	
3-1 Representing	B) Representing Repeating Decimals	6.NS.C.6.c
Decimals	C) Comparing Decimals	6.NS.C.7.b
	D) Ordering Decimals	
	A) Adding Decimals Vertically	
3-2 Adding Decimals	B) Adding Decimals Horizontally	6.NS.B.3
	C) Rounding Decimals to Estimate Sums	
	A) Adding Decimals Vertically	
3-3 Subtracting Decimals	B) Adding Decimals Horizontally 6.NS.B.3	
	C) Rounding Decimals to Estimate Differences	
	A) Comparing Decimal Products and Factors	
3-4 Multiplying Decimals	B) Multiplying Decimals	6.NS.B.3
5-4 Multiplying Decimals	C) Powers of Nonnegative Decimals	6.EE.A.1
	D) Rounding Decimals to Estimate Products	
	A) Comparing Decimal Quotients and Dividends	
3-5 Dividing Decimals	B) Dividing Decimals Using Long Division	6.NS.B.3
	C) Rounding Decimals to Estimate Quotients	
3-6 Order of Operations with Rational Numbers	A) Terminating Decimals as Fractions	
	B) Order of Operations with Nonnegative Rational Numbers	6.EE.A.1



#### Chapter 4 Integers

Lesson	Торіс	NJSLS
4-1 Number Sets and Algebra Tiles	A) Classifying Numbers	
	B) Using Algebra Tiles to Model Integers	6.NS.C.5
Algebra files	C) Representing Situations as Integers	_
	A) Integers on Number Lines	
4-2 Comparing and	B) Comparing Integers	6.NS.C.5 6.NS.C.6.c
Ordering Integers	C) Distance on a Number Line	6.NS.C.7.a
	D) Ordering Integers	6.NS.C.7.b
	A) Opposites	6.NS.C.5
4-3 Opposites and Absolute Value	B) Absolute Values	6.NS.C.6.c 6.NS.C.7.a 6.NS.C.7.b 6.NS.C.7.c
4-4 Integer Addition with	A) Opposites	7.NS.A.1.b
Tiles	B) Absolute Values	
4-5 Integer Addition with	A) Using Number Lines to Model Addition of Integers with Different Signs	
Number Lines	B) Using Number Lines to Model Addition of Integers with the Same Sign	- 7.NS.A.1.b
4-6 Single-Digit Integer Addition	A) Adding One-Digit Integers	7.NS.A.1.b
	A) Using Algebra Tiles to Model Subtraction of Positive Integers	
4-7 Integer Subtraction with Tiles	B) Using Algebra Tiles to Model Subtraction of Integers with Different Signs	7.NS.A.1.c
	C) Using Algebra Tiles to Model Subtraction of Negative Integers	_
4-8 Single-Digit Integer Subtraction	A) Subtracting One-Digit Integers	7.NS.A.1.c



Lesson	Торіс	NJSLS	
5-1 Understanding	A) Coefficients and Variables		
Variables and	B) Modeling Variable Expressions	6.EE.A.2.b 6.EE.B.6	
Coefficients	C) Simplifying Variable Expressions		
	A) Parts of Variable Expressions	6.EE.A.2.a	
	B) Modeling First Degree Monomials and Binomials	6.EE.A.2.b 6.EE.A.2.c	
5-2 Variable Expressions	C) Combining Like Terms	6.EE.A.3	
	D) Evaluating Variable Expressions	6.EE.A.4 6.EE.B.6	
5-3 Writing Expressions	A) Writing Variable Expressions	6.EE.A.2.a 6.EE.A.2.b 6.EE.B.6	
	A) Commutative Property		
	B) Associative Property		
5-4 Properties of Operations	C) Using Algebra Tiles to Model Polynomial Multiplication	6.EE.A.3 6.EE.A.4 6.EE.B.6	
	D) Using the Properties to Multiply Terms		
	E) Identity Property		
5-5 Modeling the Distributive Property	A) Using Algebra Tiles to Model the Distributive Property	6.EE.A.3 6.EE.B.6	
	A) Distributive Property	6.NS.B.4	
5-6 Distributive Property	B) Rewrite Sums and Differences with the Distributive Property	<ul> <li>6.EE.A.3</li> <li>6.EE.A.4</li> <li>6.EE.B.6</li> </ul>	

#### Chapter 5 Introduction to Algebra



Lesson	Торіс	NJSLS	
	A) Identifying Expressions and Equations	6.EE.B.5 6.EE.B.7	
6-1 Equations	B) Writing Equations		
	C) Solutions of Equations		
6-2 Solving Addition Equations with Bar Models	A) Using Bar Models to Solve One-Step Addition Equations	6.EE.B.7	
6-3 Solving Multiplication Equations with Bar Models	A) Using Bar Models to Solve One-Step Multiplication Equations	6.EE.B.7	
6-4 Solving One-Step	A) Subtraction Property of Equality		
Addition and Subtraction Equations	B) Addition Property of Equality	6.EE.B.7	
6-5 Solving One-Step	A) Division Property of Equality	6.EE.B.7	
Multiplication and Division Equations	B) Multiplication Property of Equality	0.EE.D.7	
6-6 Solutions of	A) Writing Inequalities from Verbal Expressions	6.EE.B.5	
Inequalities	B) Solutions of Inequalities	6.EE.B.8	
6.7 Craphing Inaqualities	A) Writing Inequalities from Number Lines	6.EE.B.5	
6-7 Graphing Inequalities	B) Graphing Inequalities on a Number Line	6.EE.B.8	
6-8 Solving One-Step Addition and Subtraction Inequalities	A) Subtraction Property of Inequality		
	B) Addition Property of Inequality	6.EE.B.5	
6-9 Solving One-Step	A) Division Property of Inequality		
Multiplication and Division Inequalities	B) Multiplication Property of Inequality	6.EE.B.5	

#### Chapter 6 Equations and Inequalities



Lesson	Торіс	NJSLS
7-1 Writing Ratios	A) Writing Ratios in Different Forms	6.RP.A.1
7.2 Simplifying Dation	A) Simplifying Ratios in Different Forms	
7-2 Simplifying Ratios	B) Equivalent Ratios	6.RP.A.1
	A) Understanding Unit Rates	6.RP.A.1
7-3 Unit Rate	B) Finding Unit Rates	6.RP.A.2
	C) Using Unit Rate to Find a Value	6.RP.A.3.b
7-4 Conversions	A) Customary Length Conversion Factors	
	B) Customary Unit Conversions	6.RP.A.1
	C) Metric Conversion Factors	6.RP.A.3.b
	D) Metric Unit Conversions	6.RP.A.3.d
	E) Unit Rates and Dimensional Analysis	
7-5 Percents and	A) Writing Percents as Fractions	
Fractions	B) Writing Fractions as Percents	6.RP.A.3.c
7-6 Percents and Decimals	A) Writing Percents as Decimals	
	B) Writing Decimals as Percents	6.RP.A.3.c
7-7 Percent Equations	A) Percent Equations	6.RP.A.3.c

#### Chapter 7 Ratios, Rates, and Percents



Lesson	Торіс	NJSLS	
	A) Identifying Quadrants and Axes of Coordinate Planes	6.NS.C.6.b 6.NS.C.6.c	
8-1 The Coordinate Plane	B) Graphing Points		
	C) Writing the Coordinates of Points	6.NS.C.8	
	D) Identifying Quadrants and Axes from Coordinates	-	
0 2 Distance on a	A) Counting to Find the Distance Between Points		
8-2 Distance on a Coordinate Plane	B) Using Absolute Value to Find the Distance Between Points	6.NS.C.8 6.G.A.3	
8-3 Reflections on a Coordinate Plane	A) Reflections Over the x-Axis	6.NS.C.6.b 6.G.A.3	
	B) Reflections Over the y-Axis		
8-4 Relations	A) Representing Relations in Different Forms	6.RP.A.3.a 6.RP.A.3.b 6.EE.C.9	
	A) Input and Output	6.EE.C.9	
8-5 Input and Output	B) Independent and Dependent Variables		
8-6 Two-Variable Equations	A) Evaluating Functions	6.RP.A.3.a	
	B) Graphing Linear Functions	6.EE.A.2.c 6.EE.C.9	
	C) Writing Linear Functions		

#### Chapter 8 Coordinate Plane and Two-Variable Equations



Lesson	Торіс	NJSLS
9-1 Area of Rectangles	A) Areas of Rectangles	6.G.A.1
and Squares	B) Areas of Squares	6.G.A.3
9-2 Area of Parallelograms	A) Area of Parallelograms	6.G.A.1 6.G.A.3
	A) Bases and Heights of Triangles	0.0.4.4
9-3 Area of Triangles	B) Areas of Triangles	- 6.G.A.1
9-4 Area of Trapezoids	A) Areas of Trapezoids	6.G.A.1
9-5 Surface Area of	A) Nets of Solids	
Prisms and Pyramids	B) Surface Areas of Prisms and Pyramids from Nets 6.G.A.4	
Using Nets	C) Surface Areas of Prisms	_
9-6 Volume of Prisms and	A) Volume from Cubic Units	
Cubes	B) Volumes of Right Prisms	6.G.A.2



Chapter	10	Displ	ays	of	Data
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Lesson	Торіс	NJSLS	
	A) Statistical Questions		
10-1 Introduction to	B) Characteristics of Data Sets	6.SP.A.1 6.SP.B.5.a 6.SP.B.5.b	
Statistics	C) Frequency Tables		
	D) Characteristics of Tables	_	
	A) Characteristics of Dot Plots	6.SP.B.4	
10-2 Dot Plots and Data	B) Dot Plots, Data Sets, and Frequency Tables	<sup>−</sup> 6.SP.B.5.a 6.SP.B.5.b	
	A) Finding the Number of Observations within a Range of Numbers		
10-3 Reading Dot Plots	B) Finding the Minimum and Maximum Values	6.SP.B.4	
	C) Finding the Mode	_	
	A) Characteristics of Histograms	_ 6.SP.B.4	
10-4 Histograms and Bins	B) Bins	6.SP.B.5.a	
	C) Using a Frequency Table to Create a Histogram	6.SP.B.5.b	
10-5 Histograms and Data Sets	A) Histograms, Data Sets, and Frequency Tables		
	B) Finding the Number of Observations within a Range of Numbers 6.SP.B.4		
	C) Values in a Histogram		



Lesson	Торіс	NJSLS
11-1 Mean	A) Writing an Expression for the Mean	6.SP.A.2 6.SP.A.3 6.SP.B.5.c
	B) Calculating the Mean of Data Sets	
	C) How Adding of Removing Data Points Affects the Mean	
11-2 Median	A) Median	6.SP.A.2 6.SP.A.3 6.SP.B.5.c
	B) Mean and Median of the Same Data Set	
11-3 Range and Mean Absolute Deviation	A) Range	6.SP.A.2 6.SP.A.3 6.SP.B.5.c
	B) MAD	
11-4 Interquartile Range	A) Quartiles	6.SP.A.2 6.SP.A.3 6.SP.B.5.c
	B) IQR	
11-5 Reading Box Plots	A) Five-Number Summaries	6.SP.A.3 6.SP.B.4
	B) Measures of Variation	
	C) Box Plots and Five-Number Summaries	
11-6 Box Plots and Data	A) Box Plots, Five-Number Summaries, and Data Sets	- 6.SP.B.4
	B) Distribution of Data in a Dot Plot	
11-7 Shapes of Distributions	A) Shapes of Histograms	6.SP.A.2 6.SP.A.3 6.SP.B.5.c 6.SP.B.5.d
	B) Shapes of Dot Plots	
	C) Shape and Measure of Center	
	D) Measure of Center and Measure of Variation	
	E) Outliers and Measures of Center	

#### Chapter 11 Distributions of Data