



REVERSE CORRELATION

CHAPTER/LESSON TITLES	CONTENT EXPECTATIONS FOR SEVENTH GRADE
Unit 1 Rational Numbers and Equations	
Chapter 1 The Tools of Algebra	
1-1 Words and Expressions	Number Systems and Number Sense A.PA.07.11 N.MR.07.06
1-2 Variables and Expressions	Expressions & Equations A.FO.07.12 Number Systems and Number Sense A.PA.07.11
1-3 Properties	Expressions & Equations A.FO.07.12 Number Systems and Number Sense A.PA.07.11
1-4 Ordered Pairs and Relations	There are no state-mandated Seventh Grade Content Expectations for this topic.

CHAPTER/LESSON TITLES	CONTENT EXPECTATIONS FOR SEVENTH GRADE
1-5 Words, Equations, Tables, and Graphs	Data Representation & Interpretation D.R.E.07.01 Expressions & Equations A.FO.07.12
1-6 Scatter Plots	Data Representation & Interpretation D.R.E.07.01 D.A.N.0.7.0.2
Chapter 2 Operations with Integers	
2-1 Integers and Absolute Value	There are no state-mandated Seventh Grade Content Expectations for this topic.
2-2 Adding Integers	Calculation Using Real & Complex Numbers N.F.L.07.07 N.FL.07.08 Number Systems and Number Sense A.PA.07.11
2-3 Subtracting Integers	Calculation Using Real & Complex Numbers N.F.L.07.07 N.FL.07.08 Number Systems and Number Sense A.PA.07.11
2-4 Multiplying Integers	Calculation Using Real & Complex Numbers N.F.L.07.07 N.FL.07.08 Number Systems and Number Sense A.PA.07.11
2-5 Dividing Integers	Calculation Using Real & Complex Numbers N.F.L.07.07 N.FL.07.08 Number Systems and Number Sense A.PA.07.11
2-6 Graphing in Four Quadrants	There are no state-mandated Seventh Grade Content Expectations for this topic.
2-7 Translations and Reflections on the Coordinate Plane	There are no state-mandated Seventh Grade Content Expectations for this topic.

CHAPTER/LESSON TITLES	CONTENT EXPECTATIONS FOR SEVENTH GRADE
Chapter 3 Operations with Rational Numbers	
3-1 Fractions and Decimals	There are no state-mandated Seventh Grade Content Expectations for this topic.
3-2 Rational Numbers	There are no state-mandated Seventh Grade Content Expectations for this topic.
3-3 Multiplying Rational Numbers	Calculation Using Real & Complex Numbers N.FL.07.05 N.F.L.07.07 N.FL.07.08 N.FL.07.09
3-4 Dividing Rational Numbers	Calculation Using Real & Complex Numbers N.FL.07.05 N.F.L.07.07 N.FL.07.08 N.FL.07.09 Number Systems and Number Sense A.PA.07.11
3-5 Adding and Subtracting Like Fractions	Calculation Using Real & Complex Numbers N.FL.07.05 N.F.L.07.07 N.FL.07.08 N.FL.07.09
3-6 Adding and Subtracting Unlike Fractions	Calculation Using Real & Complex Numbers N.FL.07.05 N.F.L.07.07 N.FL.07.08 N.FL.07.09
Chapter 4 Expressions and Equations	
4-1 The Distributive Property	Number Systems and Number Sense A.PA.07.11
4-2 Simplifying Algebraic Expressions	Expressions & Equations A.FO.07.12 Number Systems and Number Sense A.PA.07.11
4-3 Solving Equations by Adding or Subtracting	Number Systems and Number Sense A.PA.07.11

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4-4 Solving Equations by Multiplying or Dividing		Number Systems and Number Sense A.PA.07.11
4-5 Solving Two-Step Equations		Expressions & Equations A.FO.07.12 Number Systems and Number Sense A.PA.07.11
4-6 Writing Equations		There are no state-mandated Seventh Grade Content Expectations for this topic.
Chapter 5 Multi-Step Equations and Inequalities		
5-1 Perimeter and Area		There are no state-mandated Seventh Grade Content Expectations for this topic.
5-2 Solving Equations with Variables on Each Side		There are no state-mandated Seventh Grade Content Expectations for this topic.
5-3 Inequalities		There are no state-mandated Seventh Grade Content Expectations for this topic.
5-4 Solving Inequalities		There are no state-mandated Seventh Grade Content Expectations for this topic.
5-5 Solving Multi-Step Equations and Inequalities		Number Systems and Number Sense A.PA.07.11
Unit 2 Proportions and Similarity		
Chapter 6 Ratio, Proportion, and Similar Figures		
6-1 Ratios		Calculation Using Real & Complex Numbers N.MR.07.04
6-2 Unit Rates		Calculation Using Real & Complex Numbers N.FL.07.05
6-3 Converting Rates and Measurements		Calculation Using Real & Complex Numbers N.MR.07.02 N.MR.07.04
6-4 Proportional and Nonproportional Relationships		Functions A.PA.07.03 A.PA.07.05 A.PA.07.09
6-5 Solving Proportions		Calculation Using Real & Complex Numbers N.FL.07.05
6-6 Scale Drawings and Models		Calculation Using Real & Complex Numbers N.FL.07.05
6-7 Similar Figures		Calculation Using Real & Complex Numbers N.FL.07.05

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6-8 Dilations	Calculation Using Real & Complex Numbers N.FL.07.05
6-9 Indirect Measurement	Calculation Using Real & Complex Numbers N.FL.07.05
Chapter 7 Percent	
7-1 Fractions and Percents	Calculation Using Real & Complex Numbers N.FL.07.05 N.FL.07.09 Data Representation & Interpretation D.R.E.07.01
7-2 Fractions, Decimals, and Percents	Calculation Using Real & Complex Numbers N.FL.07.09
7-3 Using the Percent Proportion	Data Representation & Interpretation D.R.E.07.01
7-4 Find Percent of a Number Mentally	Calculation Using Real & Complex Numbers N.FL.07.08 N.FL.07.09
7-5 Using Percent Equations	Calculation Using Real & Complex Numbers N.FL.07.08 N.FL.07.09
7-6 Percent of Change	Calculation Using Real & Complex Numbers N.FL.07.08
7-7 Simple and Compound Interest	Calculation Using Real & Complex Numbers N.FL.07.08
7-8 Circle Graphs	Calculation Using Real & Complex Numbers N.FL.07.09 Data Representation & Interpretation D.R.E.07.01
Unit 3 Linear and Nonlinear Functions	
Chapter 8 Linear Functions and Graphing	
8-1 Functions	Functions A.PA.07.01 A.PA.07.02
8-2 Sequences and Equations	There are no state-mandated Seventh Grade Content Expectations for this topic.

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8-3 Representing Linear Functions	Functions A.PA.07.01 A.PA.07.02 A.PA.07.05
8-4 Rate of Change	Calculation Using Real & Complex Numbers N.FL.07.03 Functions A.PA.07.05
8-5 Constant Rate of Change and Direct Variation	Functions A.PA.07.01 A.PA.07.02 A.PA.07.03 A.PA.07.05
8-6 Slope	Functions A.PA.07.06
8-7 Slope-Intercept Form	Functions A.PA.07.03 A.PA.07.05 A.PA.07.07 A.PA.07.08
8-8 Writing Linear Equations	Expressions & Equations A.FO.07.13
8-9 Prediction Equations	Expressions & Equations A.FO.07.13
8-10 Systems of Equations	Expressions & Equations A.FO.07.13
Chapter 9 Powers and Nonlinear Functions	
9-1 Powers and Exponents	There are no state-mandated Seventh Grade Content Expectations for this topic.
9-2 Prime Factorization	There are no state-mandated Seventh Grade Content Expectations for this topic.
9-3 Multiplying and Dividing Monomials	Calculation Using Real & Complex Numbers N.FL.07.08 Number Systems and Number Sense A.PA.07.11
9-4 Negative Exponents	Calculation Using Real & Complex Numbers N.FL.07.08

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9-5 Scientific Notation	Calculation Using Real & Complex Numbers N.FL.07.09 Number Systems and Number Sense A.PA.07.11
9-6 Powers of Monomials	There are no state-mandated Seventh Grade Content Expectations for this topic.
9-7 Linear and Nonlinear Functions	Functions A.PA.07.07 A.PA.07.08 A.RP.07.10
9-8 Quadratic Functions	Calculation Using Real & Complex Numbers N.FL.07.02 N.FL.07.09
9-9 Cubic and Exponential Functions	There are no state-mandated Seventh Grade Content Expectations for this topic.
Unit 4 Two- and Three-Dimensional Space	
Chapter 10 Real Numbers and Right Triangles	
10-1 Squares and Square Roots	Number Systems and Number Sense N.MR.07.02 A.PA.07.11
10-2 The Real Number System	Calculation Using Real & Complex Numbers N.FL.07.02 N.FL.07.09
10-3 Triangles	There are no state-mandated Seventh Grade Content Expectations for this topic.
10-4 The Pythagorean Theorem	Number Systems and Number Sense N.MR.07.06
10-5 The Distance Formula	Number Systems and Number Sense N.MR.07.06
10-6 Special Right Triangles	There are no state-mandated Seventh Grade Content Expectations for this topic.
Chapter 11 Distance and Angle	
11-1 Angle and Line Relationships	There are no state-mandated Seventh Grade Content Expectations for this topic.
11-2 Congruent Triangles	There are no state-mandated Seventh Grade Content Expectations for this topic.

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11-3	Rotations	There are no state-mandated Seventh Grade Content Expectations for this topic.
11-4	Quadrilaterals	There are no state-mandated Seventh Grade Content Expectations for this topic.
11-5	Polygons	There are no state-mandated Seventh Grade Content Expectations for this topic.
11-6	Area of Parallelograms, Triangles, and Trapezoids	There are no state-mandated Seventh Grade Content Expectations for this topic.
11-7	Circles and Circumference	There are no state-mandated Seventh Grade Content Expectations for this topic.
11-8	Area of Circles	There are no state-mandated Seventh Grade Content Expectations for this topic.
11-9	Area of Composite Figures	There are no state-mandated Seventh Grade Content Expectations for this topic.
Chapter 12 Surface Area and Volume		
12-1	Three-Dimensional Figures	There are no state-mandated Seventh Grade Content Expectations for this topic.
12-2	Volume of Prisms	There are no state-mandated Seventh Grade Content Expectations for this topic.
12-3	Volume of Cylinders	There are no state-mandated Seventh Grade Content Expectations for this topic.
12-4	Volume of Pyramids, Cones, and Spheres	There are no state-mandated Seventh Grade Content Expectations for this topic.
12-5	Surface Area of Prisms	There are no state-mandated Seventh Grade Content Expectations for this topic.
12-6	Surface Area of Cylinders	There are no state-mandated Seventh Grade Content Expectations for this topic.
12-7	Surface Area of Pyramids and Cones	There are no state-mandated Seventh Grade Content Expectations for this topic.
12-8	Similar Solids	There are no state-mandated Seventh Grade Content Expectations for this topic.
Unit 5 Data Sets		
Chapter 13 Statistics and Probability		
13-1	Measures of Central Tendency	Data Representation & Interpretation D.R.E.07.01
13-2	Stem-and-Leaf Plots	Data Representation & Interpretation D.R.E.07.01

CHAPTER/LESSON TITLES	CONTENT EXPECTATIONS FOR SEVENTH GRADE
13-3 Measure of Variation	Data Representation & Interpretation D.R.E.07.04
13-4 Box-and-Whisker Plots	Data Representation & Interpretation D.R.E.07.01
13-5 Histograms	Data Representation & Interpretation D.R.E.07.01 D.AN.07.03
13-6 Theoretical and Experimental Probability	There are no state-mandated Seventh Grade Content Expectations for this topic.
13-7 Using Sampling to Predict	There are no state-mandated Seventh Grade Content Expectations for this topic.
13-8 Counting Outcomes	There are no state-mandated Seventh Grade Content Expectations for this topic.
13-9 Permutations and Combinations	There are no state-mandated Seventh Grade Content Expectations for this topic.
13-10 Probability of Compound Events	There are no state-mandated Seventh Grade Content Expectations for this topic.