

Eighth Grade Unit Report Summary



No. Objective Code Common Core State Standards Objective Title

Whole Number Addition and Subtraction - Level 8 - (Ascend Default Unit)

1.	1013	8.EE.7b	Properties of Addition
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Whole Number Multiplication and Division - Level 8 - (Ascend Default Unit)

1.	1021	8.EE.7b	Properties of Multiplication
2.	H100	8.EE.7b	Simplifying Expressions with the Distributive Property

Whole Number Exponents and Order of Operations - Level 8 - (Ascend Default Unit)

1.	1024	8.EE.1, 8.EE.2	Introduction to Exponents
2.	1034	8.EE.7b	Review of Order of Operations
3.	A01_02_01	8.EE.7b	Order Of Operations

Fractions Concepts - Level 8 - (Ascend Default Unit)

1.	2063	8.EE.1	Comparing Fractions
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Ratio and Proportion - Level 8 - (Ascend Default Unit)

1.	3121	8.EE.5	Units and Ratios
2.	3122	8.EE.5	Rates
3.	3123	8.EE.5	Proportions
4.	3124	8.EE.5	Finding an Unknown in a Proportion
5.	3131	8.EE.5	Applications of Proportions I
6.	H500	8.EE.5	Applications: Proportions
7.	H108	8.EE.5	Sequences: Use proportions to find missing values

Percents - Level 8 - (Ascend Default Unit)

1.	4142	8.EE.8c	Decimal and Percent Conversions
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2.	4143	8.EE.8c	Converting Percents to Equivalent Fractions and Mixed Numbers
3.	4144	8.EE.8c	Converting Fractions and Mixed Numbers to Percents
4.	4161	8.EE.8c	Converting Common Percents to Fractions
5.	4162	8.EE.8c	Finding Percents by Moving the Decimal Point
6.	4163	8.EE.8c	Finding Percentages by Multiplying or Using Common Fractions

Percent Applications - Level 8 - (Ascend Default Unit)

1.	4145	8.EE.8c	Percent Applications
2.	4151	8.EE.8c	Percent Applications using Equations
3.	4152	8.EE.8c	Percent of Increase or Decrease
4.	4164	8.EE.8c	Calculating 10%, 15% and 20% of Rounded Quantities
5.	4165	8.EE.8c	Estimating Percent Discounts
6.	4166	8.EE.8c	More Percent Applications
7.	A05_04_01	8.EE.8c	Problems Involving Percent

Geometry Concepts - Level 8 - (Ascend Default Unit)

1.	5201	8.G.1a, 8.G.1b, 8.G.1c, 8.G.5	Geometry Terms
2.	5202	8.G.1b, 8.G.5	Angles and Triangles
3.	5211	8.G.1b, 8.G.5	Complementary and Supplementary Angles
4.	5212	8.G.5	Parallel Lines and Transversals
5.	H302	8.G.1b, 8.G.5	Triangle Sum Theory
6.	5221	8.G.5	Parallelograms
7.	5222	8.G.5	Trapezoids
8.	5223	8.G.5, 8.G.9	Solids
9.	5231	8.G.1, 8.G.2, 8.G.5	Transformations
10.	5232	8.G.5	Symmetry

Geometry Formulas - Level 8 - (Ascend Default Unit)

1.	5241	8.G.5, 8.G.6, 8.G.7, 8.G.8, 8.G.9	The Pythagorean Theorem
2.	5242	8.G.2, 8.G.5	Congruent Figures
3.	5243	8.G.1b, 8.G.5, 8.G.9	Similar Triangles and Applications

4.	5251	8.G.5	Perimeter and Circumference
5.	5252	8.G.5	Area
6.	5253	8.G.5, 8.G.9	Volume
7.	5254	8.EE.5	Effects of Proportional Change
8.	H308	8.G.5, 8.G.6, 8.G.7, 8.G.8, 8.G.9	Applications: Pythagorean Theorem
9.	H310	8.G.5, 8.G.9	Applications: Circumference

Statistics - Level 8 - (Ascend Default Unit)

1.	6261	8.SP.4	Pictographs, Bar Graphs and Line Graphs
2.	6262	8.SP.4	Circle Graphs
3.	6263	8.SP.4	Histograms
4.	6271	8.SP.4	Mean, Median, Mode and Range
5.	6273	8.SP.1, 8.SP.2	Scatterplots
6.	H401	8.SP.4	Reading Circle Graphs
7.	H405	8.SP.4	Reading a Chart

Probability - Level 8 - (Ascend Default Unit)

1.	6281	8.SP.4	Tree Diagrams
2.	6283	8.SP.4	Probability of an Event

Integers and Real Numbers Concepts - Level 8 - (Ascend Default Unit)

1.	A01_04_01	8.EE.1, 8.NS.1, 8.NS.2	Meaning Of $<$, $>$, And $=$
2.	A01_04_02	8.EE.1, 8.NS.1, 8.NS.2	Compare And Order Real Numbers
3.	A02_01_01	8.NS.1	Real Numbers On A Number Line
4.	A02_02_01	8.NS.1	Absolute Value

Integers and Real Numbers Operations - Level 8 - (Ascend Default Unit)

1.	A02_02_02	8.NS.1	Adding Real Numbers
2.	A02_04_01	8.NS.1	Multiplying Real Numbers
3.	A02_05_01	8.EE.3, 8.NS.1	Dividing Real Numbers
4.	A02_06_01	8.EE.7b	Properties Of Real Numbers
5.	7301	8.NS.1	Order of Operations I
6.	7302	8.EE.7b, 8.NS.1	Order of Operations II
7.	7303	8.NS.1	Order of Operations III

Variables - Level 8 - (Ascend Default Unit)

1.	A01_01_01	8.SP.3, 8.F.5	Word Phrases As Algebraic Expressions
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Solving Linear Equations - Level 8 - (Ascend Default Unit)

1.	A03_02_01	8.EE.8, 8.EE.8a, 8.EE.8b, 8.EE.8c	Like Terms
2.	A03_03_01	8.EE.7b	Simplify Algebraic Expressions
3.	A04_01_01	8.EE.7, 8.EE.7a, 8.EE.7b	Solution Set
4.	A04_02_01	8.EE.7, 8.EE.7a, 8.EE.7b	Addition And Subtraction Properties
5.	A04_03_01	8.EE.7, 8.EE.7a, 8.EE.7b	Multiplication And Division Properties
6.	A04_04_01	8.EE.7, 8.EE.7a, 8.EE.7b	More Than One Property
7.	A04_05_01	8.EE.7, 8.EE.7a, 8.EE.7b	Variables On Both Sides Of The Equal Sign

Algebra Problem Solving - Level 8 - (Ascend Default Unit)

1.	A04_07_01	8.EE.7, 8.EE.7a, 8.EE.7b	Literal Equations
2.	7332	8.SP.3, 8.F.5	Applications of Linear Equations I
3.	7333	8.SP.3, 8.F.5	Applications of Linear Equations II
4.	A05_01_01	8.SP.3, 8.F.5	Solve Word Problems
5.	A05_02_01	8.SP.3, 8.F.5	Write Equations
6.	A05_03_01	8.SP.3, 8.F.5, 8.G.5, 8.G.9	Geometric Formulas
7.	H503	8.SP.3, 8.F.5	Applications: Distance

Graphing - Level 8 - (Ascend Default Unit)

1.	8341	8.EE.6, 8.F.1, 8.F.2	Rectangular Coordinate System
2.	8342	8.F.3	Distance Between Points on Horizontal or Vertical Lines
3.	8343	8.EE.6, 8.F.3, 8.G.8	Distance Formula

Graphing Linear Equations - Level 8 - (Ascend Default Unit)

1.	8351	8.EE.6, 8.F.1, 8.F.2, 8.F.4, 8.F.5	Graphing Linear Equations in Two Variables
2.	8352	8.SP.3, 8.EE.6, 8.F.1, 8.F.4	Intercepts
3.	8353	8.EE.6, 8.F.1, 8.F.2, 8.F.4, 8.F.5	Vertical and Horizontal Lines
4.	8361	8.SP.3, 8.EE.6, 8.F.1, 8.F.2, 8.F.4	Slope
5.	8362	8.EE.6, 8.F.1, 8.F.3	Slope-Intercept Form of a Line

6.	8363	8.F.3	Parallel and Perpendicular Lines
7.	8364	8.EE.6	Point-Slope Form of a Line
8.	8371	8.EE.6, 8.F.1, 8.F.2, 8.F.4, 8.F.5	Linear Relationships
9.	H200	8.EE.6, 8.F.1, 8.F.2	Testing Strategy: Match a Graph to a Table of Values
10.	H201	8.EE.6	Testing Strategy: Find the Equation of a Line Given its Graph
11.	H202	8.EE.6	Find the Equation of a Line Given Two Points

Laws of Exponents - Level 8 - (Ascend Default Unit)

1.	A01_05_01	8.EE.1, 8.EE.2	Exponential Expressions
2.	A07_01_01	8.EE.1, 8.EE.2	Define An Exponent
3.	A07_01_02	8.EE.1, 8.EE.2	Product Rule For Exponents
4.	A07_01_03	8.EE.1, 8.EE.2	Identify And Multiply Monomials
5.	A07_02_01	8.EE.1, 8.EE.2	Raise A Monomial To A Power
6.	A07_03_01	8.EE.1, 8.EE.2	Divide Monomials
7.	A07_04_01	8.EE.1	Simplify Exponential Expressions
8.	A07_05_01	8.EE.3, 8.EE.4	Scientific Notation
9.	A07_05_02	8.EE.4	Convert Numbers from Scientific Notation to Standard Form

Solving Systems of Linear Equations - Level 8 - (Ascend Default Unit)

1.	A13_01_01	8.EE.8, 8.EE.8a, 8.EE.8b, 8.EE.8c	Solve A System Of Linear Equations By Graphing
2.	A13_02_01	8.EE.8, 8.EE.8a, 8.EE.8b, 8.EE.8c	Substitution To Solve A System Of Linear Equations
3.	A13_03_01	8.EE.8, 8.EE.8a, 8.EE.8b, 8.EE.8c	The Addition Method To Solve A System Of Linear Equations
4.	H203	8.EE.8, 8.EE.8a, 8.EE.8b, 8.EE.8c	Testing strategy: Solving Systems of Equations Graphically
5.	H204	8.EE.8, 8.EE.8a, 8.EE.8b, 8.EE.8c	Testing Strategy: Solving Systems of Equations Given Tables of Values

Roots - Level 8 - (Ascend Default Unit)

1.	8404	8.EE.2, 8.NS.2	Square Roots and Radical Notation
2.	8405	8.EE.2, 8.NS.2	Higher Order Roots and Radical Notation

3.	A14_01_01	8.EE.2, 8.NS.2	Square Roots Of Perfect Squares
4.	A14_01_02	8.NS.1, 8.NS.2	Rational And Irrational Numbers