

High School Unit Report Summary



No. Objective Code Common Core State Standards Objective Title

Whole Number Multiplication and Division - Level 9-12 - (Ascend Default Unit)

1.	H505	A.REI.1, F.BF.2, N.Q.3	Testing Strategy: Using Estimation in an Application Problem
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Whole Number Exponents and Order of Operations - Level 9-12 - (Ascend Default Unit)

1.	1024	N.RN.1, N.RN.2	Introduction to Exponents
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Whole Number Factors and Multiples - Level 9-12 - (Ascend Default Unit)

1.	1051	A.SSE.2	Whole Numbers as Products of Prime Numbers
2.	1052	A.SSE.2	Greatest Common Factor

Ratio and Proportion - Level 9-12 - (Ascend Default Unit)

1.	3123	F.BF.2, F.IF.3	Proportions
2.	H108	F.BF.2, F.IF.3	Sequences: Use proportions to find missing values

Geometry Concepts - Level 9-12 - (Ascend Default Unit)

1.	5201	G.CO.1	Geometry Terms
2.	5211	G.CO.1	Complementary and Supplementary Angles
3.	5212	G.CO.9	Parallel Lines and Transversals
4.	5221	G.CO.11	Parallelograms
5.	5223	G.GMD.1, G.GMD.3	Solids

Geometry Formulas - Level 9-12 - (Ascend Default Unit)

1.	5241	A.CED.4, G.GMD.3, G.MG.2, G.MG.3, G.SRT.5	The Pythagorean Theorem
2.	5242	G.CO.1, G.CO.7, G.CO.8, G.CO.9, G.SRT.5	Congruent Figures
3.	5243	A.CED.4, G.CO.8, G.GMD.3, G.MG.2, G.MG.3, G.SRT.2, G.SRT.3, G.SRT.5	Similar Triangles and Applications
4.	5251	G.C.1, G.CO.13, G.GMD.1	Perimeter and Circumference
5.	5253	G.GMD.1, G.GMD.3	Volume
6.	H308	A.CED.4, G.GMD.3, G.MG.2, G.MG.3, G.SRT.5	Applications: Pythagorean Theorem

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7.	H310	A.CED.4, G.C.1, G.CO.13, G.GMD.1, G.GMD.3, G.MG.2, G.MG.3, G.SRT.5	Applications: Circumference
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Statistics - Level 9-12 - (Ascend Default Unit)

1.	6261	S.ID.1	Pictographs, Bar Graphs and Line Graphs
2.	6263	S.ID.1	Histograms
3.	6271	S.IC.4, S.ID.2, S.ID.3	Mean, Median, Mode and Range
4.	6272	S.ID.1	Stem-and-Leaf Plots and Box-and-Whisker Plots
5.	6273	S.ID.1, S.ID.6, S.ID.6b, S.ID.6c	Scatterplots
6.	H401	F.BF.2, S.CP.4, S.IC.1, S.IC.3, S.ID.2	Reading Circle Graphs
7.	H405	F.BF.2, S.CP.4, S.IC.1, S.IC.3, S.ID.2	Reading a Chart

Probability - Level 9-12 - (Ascend Default Unit)

1.	6283	S.MD.5a, S.MD.6, S.MD.7	Probability of an Event
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Integers and Real Numbers Concepts - Level 9-12 - (Ascend Default Unit)

1.	A01_03_01	N.RN.1	Common Sets Of Real Numbers And Number Line
2.	A01_04_01	N.RN.3	Meaning Of $<$, $>$, And $=$
3.	A01_04_02	N.RN.3	Compare And Order Real Numbers
4.	A02_01_01	N.RN.1	Real Numbers On A Number Line
5.	A02_02_01	N.RN.1	Absolute Value

Integers and Real Numbers Operations - Level 9-12 - (Ascend Default Unit)

1.	A02_02_02	N.RN.1	Adding Real Numbers
2.	A02_03_01	N.RN.1	Opposite Of A Real Number
3.	A02_03_02	N.RN.1	Subtracting Real Numbers
4.	A02_04_01	N.RN.1	Multiplying Real Numbers
5.	A02_05_01	N.RN.1	Dividing Real Numbers
6.	7301	N.RN.1	Order of Operations I
7.	7302	N.RN.1	Order of Operations II
8.	7303	N.RN.1	Order of Operations III

Variables - Level 9-12 - (Ascend Default Unit)

1.	A01_01_01	A.CED.2, A.REI.1, A.SSE.1a, F.BF.1, F.BF.1b, F.LE.1, F.LE.5, N.Q.1	Word Phrases As Algebraic Expressions
2.	A01_02_02	A.REI.10, F.IF.9, N.Q.1	Substitution To Order To Evaluate Expressions

Solving Linear Equations - Level 9-12 - (Ascend Default Unit)

1.	A04_01_01	A.REI.3, A.SSE.3a, F.IF.9	Solution Set
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2.	A04_02_01	A.REI.3, A.SSE.3a, F.IF.9	Addition And Subtraction Properties
3.	A04_03_01	A.REI.3, A.SSE.3a, F.IF.9	Multiplication And Division Properties
4.	A04_04_01	A.REI.3, A.SSE.3a, F.IF.9	More Than One Property
5.	A04_05_01	A.REI.3, A.SSE.3a, F.IF.9	Variables On Both Sides Of The Equal Sign
6.	A04_08_01	F.IF.7b	Solving Absolute Value Equations

Algebra Problem Solving - Level 9-12 - (Ascend Default Unit)

1.	A04_07_01	A.REI.3, A.SSE.3a	Literal Equations
2.	7332	A.CED.2, A.REI.1, A.SSE.1a, F.BF.1, F.BF.1b, F.LE.1, F.LE.5, N.Q.1	Applications of Linear Equations I
3.	7333	A.CED.2, A.REI.1, A.SSE.1a, F.BF.1, F.BF.1b, F.LE.1, F.LE.5, N.Q.1	Applications of Linear Equations II
4.	A05_01_01	A.CED.2, A.REI.1, A.SSE.1a, F.BF.1, F.BF.1b, F.LE.1, F.LE.5, N.Q.1, N.Q.2	Solve Word Problems
5.	A05_02_01	A.CED.2, A.REI.1, A.SSE.1a, F.BF.1, F.BF.1b, F.LE.1, F.LE.5, N.Q.1	Write Equations
6.	A05_03_01	A.CED.2, A.CED.4, A.REI.1, A.SSE.1a, F.BF.1, F.BF.1b, F.LE.1, F.LE.5, G.GMD.3, G.MG.2, G.MG.3, G.SRT.5, N.Q.1	Geometric Formulas
7.	A05_05_01	A.SSE.1a, N.Q.1, N.Q.2	Problems Involving Mixtures
8.	A05_06_01	A.SSE.1a, N.Q.1, N.Q.2	Formula $D = RT$
9.	H502	A.REI.11, A.SSE.1b, F.BF.1, F.IF.1, F.IF.2, F.IF.7, F.LE.1b, F.LE.1c, F.LE.3	Applications: Rate of Growth
10.	H503	A.CED.1, A.CED.2, A.REI.1, A.SSE.1a, A.SSE.1b, F.BF.1, F.BF.1b, F.IF.5, F.IF.9, F.LE.1, F.LE.5, N.Q.1, N.Q.2	Applications: Distance

Graphing - Level 9-12 - (Ascend Default Unit)

1.	8341	S.ID.6b	Rectangular Coordinate System
2.	8343	A.CED.4	Distance Formula

Graphing Linear Equations - Level 9-12 - (Ascend Default Unit)

1.	8351	A.CED.2, A.REI.10, F.IF.4, F.IF.7a, F.IF.7d, F.LE.2, S.ID.6c	Graphing Linear Equations in Two Variables
2.	8352	A.CED.2, A.REI.10, A.REI.11, F.BF.3, F.IF.4, F.IF.7a, F.IF.7d, F.LE.5, S.ID.6c, S.ID.7	Intercepts
3.	8353	A.CED.2, A.REI.10, F.IF.4, F.IF.7a, F.IF.7d, F.LE.2, S.ID.6c	Vertical and Horizontal Lines
4.	8361	A.CED.2, A.REI.10, F.BF.3, F.IF.4, F.IF.6, F.IF.7a, F.IF.7d, F.LE.1a, F.LE.1c, F.LE.5, S.ID.6c, S.ID.7	Slope
5.	8362	A.CED.2, A.REI.10, F.IF.7a, F.IF.7d, S.ID.6c	Slope-Intercept Form of a Line
6.	8371	A.REI.10, F.IF.4, F.LE.2	Linear Relationships
7.	H200	F.BF.2, S.ID.6b	Testing Strategy: Match a Graph to a Table of Values
8.	H201	F.BF.2	Testing Strategy: Find the Equation of a Line Given its Graph
9.	H202	F.BF.2	Find the Equation of a Line Given Two Points

Relations and Functions - Level 9-12 - (Ascend Default Unit)

1.	6284	A.SSE.1b, A.SSE.4, F.BF.2, F.IF.3	Patterns
2.	8381	A.REI.11, A.SSE.1b, F.BF.1, F.IF.1, F.IF.2, F.IF.5, F.IF.7, F.LE.1b, F.LE.1c, F.LE.3	Relations
3.	8382	A.SSE.1b	Using the Vertical Line Test
4.	8383	A.REI.11, A.SSE.1b, F.BF.1, F.IF.1, F.IF.2, F.IF.7, F.LE.3	Function Notation
5.	8384	A.REI.11, A.SSE.1b, F.BF.3, F.IF.1, F.IF.4, F.IF.5, F.IF.7, F.IF.9, F.LE.1c, F.LE.2, F.LE.3	Graphs of Functions
6.	8385	A.SSE.1b, F.IF.1, F.IF.5	Domain & Range
7.	H107	A.CED.4, A.SSE.1b, F.IF.3	Sequences: Develop a formula to find missing values

Inequalities - Level 9-12 - (Ascend Default Unit)

1.	A06_01_01	A.CED.1, A.REI.3	Graph Inequalities On A Number Line
2.	A06_02_01	A.CED.1, A.CED.3, A.REI.3	Addition And Subtraction Properties For Inequalities
3.	A06_03_01	A.CED.1, A.CED.3, A.REI.3	Multiplication And Division Properties For Inequalities
4.	A06_04_01	A.CED.1, A.CED.3, A.REI.3	Inequalities Using More Than One Property
5.	A06_05_01	A.CED.1, A.CED.3, A.REI.3	Combined Inequalities And Graph Their Solution Sets
6.	A06_06_01	A.CED.1, A.CED.3, A.REI.3	Inequalities Containing The Absolute Value Of A Variable Expression
7.	8372	A.CED.1, A.REI.12, A.REI.3, F.IF.4, F.IF.7a	Graphing Linear Inequalities

Laws of Exponents - Level 9-12 - (Ascend Default Unit)

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

Polynomial Operations - Level 9-12 - (Ascend Default Unit)

1.	A08_01_01	A.APR.1, A.APR.2	Degree Of A Polynomial
2.	A08_01_02	A.APR.1, A.APR.2	Combining Like Terms
3.	A08_02_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.7c, F.IF.8a	Add Polynomials
4.	A08_02_02	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.7c, F.IF.8a	Subtract Polynomials

5.	A08_03_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.7c, F.IF.8a	Multiplying Monomials and Polynomials
6.	A08_04_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.7c, F.IF.8a	FOIL Order Of Multiplication
7.	A08_05_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.7c, F.IF.8a	Square Binomials
8.	A08_05_02	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.7c, F.IF.8a	Product Of The Sum And Difference Of The Same Two Terms
9.	A08_06_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.7c, F.IF.8a	Divide Polynomials

Polynomial Factoring - Level 9-12 - (Ascend Default Unit)

1.	A09_02_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.7c, F.IF.7d, F.IF.8a	GCF Of A List Of Monomials
2.	A09_02_02	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.7c, F.IF.7d, F.IF.8a	The GCF From A Polynomial
3.	A09_03_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.7c, F.IF.7d, F.IF.8a	Common Binomials
4.	A09_03_02	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.7c, F.IF.7d, F.IF.8a	Factor Polynomials By Grouping The Terms
5.	A09_04_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.7c, F.IF.7d, F.IF.8a	Difference Of Two Squares
6.	A09_05_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.7c, F.IF.7d, F.IF.8a	Factor a Trinomial with a Leading Coefficient of 1
7.	A09_06_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.7c, F.IF.7d, F.IF.8a	Factor a Trinomial with a Leading Coefficient Other than 1
8.	A09_07_01	A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.7c, F.IF.7d, F.IF.8a	Factor A Polynomial Completely
9.	A09_08_01	A.REI.4, A.REI.4a, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, F.IF.7b, F.IF.8a, N.CN.7	Solve Equations By Factoring

Rational Expressions - Level 9-12 - (Ascend Default Unit)

1.	A10_01_01	A.APR.6, A.APR.7, A.REI.2	Define Rational Expressions And Identify Values For Which One Is Undefined
2.	A10_01_02	A.APR.6, A.APR.7, A.REI.2	Write A Rational Expression In Lowest Terms
3.	A10_02_01	A.APR.6, A.APR.7, A.REI.2, F.IF.7d	Multiply Rational Expressions
4.	A10_03_01	A.APR.6, A.APR.7, A.REI.2, F.IF.7d	Divide Rational Expressions
5.	A10_04_01	A.APR.6, A.APR.7, A.REI.2	Least Common Denominator Of A List Of Rational Expressions
6.	A10_04_02	A.APR.6, A.APR.7, A.REI.2	Write A Rational Expression As An Equivalent Rational Expression
7.	A10_05_01	A.APR.6, A.APR.7, A.REI.2, F.IF.7d	Add And Subtract Rational Expressions With The Same Denominators
8.	A10_06_01	A.APR.6, A.APR.7, A.REI.2, F.IF.7d	Add And Subtract Rational Expressions With Different Denominators
9.	A10_07_01	A.APR.7, A.REI.2, F.IF.7d	Add, Subtract, Multiply, And Divide Rational Expressions
10.	A10_08_01	N.CN.7	Define And Simplify Complex Fractions

11. A10_09_01

A.APR.6, A.APR.7, A.REI.2

Solve Equations Containing Rational Expressions

Solving Systems of Linear Equations - Level 9-12 - (Ascend Default Unit)

1.	A13_01_01	A.REI.10, A.REI.5, A.REI.6, A.REI.7	Solve A System Of Linear Equations By Graphing
2.	A13_02_01	A.REI.5, A.REI.6, A.REI.7	Substitution To Solve A System Of Linear Equations
3.	A13_03_01	A.REI.5, A.REI.6, A.REI.7	The Addition Method To Solve A System Of Linear Equations
4.	A13_04_01	A.REI.5, A.REI.6, A.REI.7	Multiplication With The Addition Method
5.	H203	A.REI.10, A.REI.5, A.REI.6, A.REI.7, F.BF.2	Testing strategy: Solving Systems of Equations Graphically
6.	H204	A.REI.5, A.REI.6, A.REI.7, F.BF.2	Testing Strategy: Solving Systems of Equations Given Tables of Values
7.	H205	A.REI.5, A.REI.6, A.REI.7	Applications: Systems of Equations

Roots - Level 9-12 - (Ascend Default Unit)

1.	8404	N.CN.7, N.RN.1, N.RN.2	Square Roots and Radical Notation
2.	8405	N.CN.7, N.RN.1, N.RN.2	Higher Order Roots and Radical Notation
3.	A14_01_01	N.CN.7, N.RN.1, N.RN.2	Square Roots Of Perfect Squares
4.	A14_01_02	N.RN.3	Rational And Irrational Numbers

Radical Expressions - Level 9-12 - (Ascend Default Unit)

1.	A14_02_01	A.REI.2, N.CN.7	The Product Rule And The Quotient Rule
2.	A14_03_01	A.REI.2, N.CN.7	Simplify Square Roots
3.	A14_04_01	A.REI.2, N.CN.7	Add And Subtract Like Radicals
4.	A14_04_02	A.REI.2, N.CN.7	Simplify Radical Expressions
5.	A14_05_01	A.REI.2, N.CN.7	Multiply And Simplify Radicals
6.	A15_01_01	A.REI.2, N.CN.7	Divide And Simplify Radicals
7.	A15_02_01	A.APR.7, A.REI.2, N.CN.7	Rationalize Denominators
8.	A15_03_01	N.CN.7	Equations Containing Square Roots Of Variable Expressions

Solving Quadratic Equations - Level 9-12 - (Ascend Default Unit)

1.	A16_01_01	A.REI.4, A.REI.4a, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, F.IF.7b, F.IF.8a, N.CN.7	The Factoring Method For Solving Equations
2.	A16_01_02	A.REI.4, A.REI.4a, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, F.IF.7b, F.IF.8a, N.CN.7	The Square Root Property To Solve Equations
3.	A16_02_01	A.REI.4, A.REI.4a, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, F.IF.7b, F.IF.8a, N.CN.7	Perfect Square Trinomials
4.	A16_02_02	A.REI.4, A.REI.4a, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, A.SSE.3b, F.IF.7b, F.IF.8a, N.CN.7	Quadratic Equation By Completing The Square
5.	A16_03_01	A.REI.4, A.REI.4a, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, F.IF.7b,	Quadratic Equations Using The Quadratic

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