

# Seventh Grade Unit Report Summary



No.    Objective Code    Common Core State Standards    Objective Title

---

## **Whole Number Addition and Subtraction - Level 7 - (Ascend Default Unit)**

1.    1013    7.NS.1d    Properties of Addition

---

## **Whole Number Multiplication and Division - Level 7 - (Ascend Default Unit)**

1.    1021    7.NS.1d    Properties of Multiplication

---

## **Whole Number Factors and Multiples - Level 7 - (Ascend Default Unit)**

1.    1051    7.EE.1    Whole Numbers as Products of Prime Numbers  
2.    1052    7.EE.1    Greatest Common Factor  
3.    1053    7.EE.1    Least Common Multiple

---

## **Fractions Concepts - Level 7 - (Ascend Default Unit)**

1.    2061    7.NS.1    Introduction to Fractions  
2.    2062    7.NS.1    Lowest Terms  
3.    2063    7.NS.1    Comparing Fractions  
4.    2064    7.NS.1    Visualizing Fractions  
5.    2065    7.NS.1    Mixed Numbers and Improper Fractions

---

## **Fractions Operations - Level 7 - (Ascend Default Unit)**

1.    2081    7.NS.1    Adding and Subtracting Like Fractions  
2.    2082    7.NS.1    Adding and Subtracting Unlike Fractions  
3.    2071    7.NS.1    Multiplying Fractions  
4.    2072    7.NS.1    Dividing Fractions  
5.    2073    7.NS.1    Multiplying and Dividing Mixed Numbers

---

## **Fractions Applications - Level 7 - (Ascend Default Unit)**

1.    2074    7.NS.1    Multiplication and Division Application of Fractions  
2.    2083    7.EE.3, 7.NS.1    Addition and Subtraction Application of Fractions  
3.    2091    7.EE.3, 7.NS.1    Perimeter and Area  
4.    2092    7.EE.3, 7.NS.1    Fraction Applications I  
5.    2093    7.EE.3, 7.NS.1    Fraction Applications II

---

### **Decimals Operations - Level 7 - (Ascend Default Unit)**

1.	3101	7.NS.2d	Understanding Decimal Numbers
2.	3102	7.NS.2d	Adding and Subtracting Decimals
3.	3103	7.NS.2d	Multiplying Decimals
4.	3104	7.NS.2d	Rounding Decimals
5.	3111	7.NS.2d	Dividing Decimals

---

### **Decimals Conversions and Applications - Level 7 - (Ascend Default Unit)**

1.	3113	7.NS.2d	Converting Fractions to Decimals and Decimals to Fractions
2.	3114	7.NS.2d	Comparing Decimals and Fractions
3.	3105	7.EE.3, 7.NS.2d	Decimal Applications
4.	3112	7.EE.3, 7.NS.2d	Decimal Division Applications

---

### **Ratio and Proportion - Level 7 - (Ascend Default Unit)**

1.	3121	7.RP.1, 7.RP.2, 7.RP.2a, 7.RP.2c	Units and Ratios
2.	3122	7.RP.1, 7.RP.2b	Rates
3.	3123	7.RP.1, 7.RP.2, 7.RP.2a, 7.RP.2b, 7.RP.2c, 7.RP.3	Proportions
4.	3131	7.RP.1	Applications of Proportions I

---

### **Percents - Level 7 - (Ascend Default Unit)**

1.	4141	7.RP.3	The Definition of Percent
2.	4142	7.RP.3	Decimal and Percent Conversions
3.	4143	7.RP.3	Converting Percents to Equivalent Fractions and Mixed Numbers
4.	4144	7.RP.3	Converting Fractions and Mixed Numbers to Percents
5.	4161	7.RP.3	Converting Common Percents to Fractions
6.	4162	7.RP.3	Finding Percents by Moving the Decimal Point
7.	4163	7.RP.3	Finding Percentages by Multiplying or Using Common Fractions

---

### **Percent Applications - Level 7 - (Ascend Default Unit)**

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

---

Ascend Education

302 Albany Avenue • Shreveport, LA 71105

www.ascendmath.com • Phone (318) 865-8232 • Fax (318) 865-6227

## **Metric and Customary Systems of Measurement - Level 7 - (Ascend Default Unit)**

1.	4171	7.RP.1	Length, Capacity and Weight
2.	4172	7.RP.1	Unit Fractions
3.	4173	7.RP.1	Adding and Subtracting Customary Units
4.	4181	7.RP.1	The Metric Prefixes and Metric Unit Fractions
5.	4182	7.RP.1	Converting Metric Units of Length
6.	4183	7.RP.1	Converting Metric Units of Capacity and Mass

---

## **Geometry Concepts - Level 7 - (Ascend Default Unit)**

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

---

## **Geometry Formulas - Level 7 - (Ascend Default Unit)**

1.	5241	7.G.3, 7.G.5, 7.G.6	The Pythagorean Theorem
2.	5242	7.G.3	Congruent Figures
3.	5251	7.G.3, 7.G.4	Perimeter and Circumference
4.	5252	7.G.3, 7.G.4, 7.G.6	Area
5.	5253	7.G.3, 7.G.6	Volume

---

## **Statistics - Level 7 - (Ascend Default Unit)**

1.	6261	7.SP.1	Pictographs, Bar Graphs and Line Graphs
2.	6262	7.SP.2	Circle Graphs
3.	6263	7.SP.1	Histograms
4.	6271	7.SP.3, 7.SP.4	Mean, Median, Mode and Range
5.	6272	7.SP.1, 7.SP.2	Stem-and-Leaf Plots and Box-and-Whisker Plots
6.	6273	7.SP.2	Scatterplots

---

## **Probability - Level 7 - (Ascend Default Unit)**

1.	6281	7.SP.5, 7.SP.6, 7.SP.7, 7.SP.7a, 7.SP.7b, 7.SP.8, 7.SP.8a, 7.SP.8b, 7.SP.8c	Tree Diagrams
2.	6283	7.SP.5, 7.SP.6, 7.SP.7, 7.SP.7a, 7.SP.7b, 7.SP.8, 7.SP.8a, 7.SP.8b, 7.SP.8c	Probability of an Event

Ascend Education

302 Albany Avenue • Shreveport, LA 71105

www.ascendmath.com • Phone (318) 865-8232 • Fax (318) 865-6227

### **Integers and Real Numbers Concepts - Level 7 - (Ascend Default Unit)**

1.	A01_04_01	7.NS.1	Meaning Of $<$ , $>$ , And $=$
2.	A01_04_02	7.NS.1	Compare And Order Real Numbers
3.	A02_01_01	7.NS.1b, 7.NS.2c	Real Numbers On A Number Line
4.	A02_02_01	7.NS.1a, 7.NS.1b, 7.NS.1c, 7.NS.2a, 7.NS.2b	Absolute Value

---

### **Integers and Real Numbers Operations - Level 7 - (Ascend Default Unit)**

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

---

### **Variables - Level 7 - (Ascend Default Unit)**

1.	A01_01_01	7.EE.2, 7.EE.4, 7.EE.4a	Word Phrases As Algebraic Expressions
----	-----------	-------------------------	---------------------------------------

---

### **Algebra Problem Solving - Level 7 - (Ascend Default Unit)**

1.	7332	7.EE.2, 7.EE.4, 7.EE.4a	Applications of Linear Equations I
2.	7333	7.EE.2, 7.EE.4, 7.EE.4a	Applications of Linear Equations II

---

### **Graphing - Level 7 - (Ascend Default Unit)**

1.	8341	7.RP.2a, 7.RP.2d	Rectangular Coordinate System
----	------	------------------	-------------------------------

---

### **Graphing Linear Equations - Level 7 - (Ascend Default Unit)**

1.	8351	7.EE.4b	Graphing Linear Equations in Two Variables
2.	8352	7.EE.4b	Intercepts
3.	8361	7.EE.4b	Slope