

# Math Mammoth Grade 7-A Alignment to the Common Core Standards

The table below lists each lesson in the student worktext 7-A, and next to it the relevant Common Core Standard. Some lessons in the curriculum are intended for review of 6th grade topics. In those cases, I have listed the relevant standards from 6th grade.

## Chapter 1: The Language of Algebra

*Note: The first two lessons are intended for review.*

Lesson	page	Standards
The Order of Operations	11	6.EE.1. 6.EE.2. 6.EE.6
Expressions and Equations	15	6.EE.2 6.EE.5 6.EE.6
Properties of the Four Operations	18	7.EE.1
Simplifying Expressions	22	6.EE.2 7.EE.1 7.EE.4
Growing Patterns 1	26	7.EE.2 7.EE.3 7.EE.4
The Distributive Property	29	7.EE.1 7.EE.2 7.EE.3 7.EE.4
Chapter 1 Review	34	7.EE.1 7.EE.3

## Chapter 2: Integers

*Note: The first lesson is intended for review.*

Lesson	page	Standards
Integers	41	6.NS.5 6.NS.6 6.NS.7
Addition and Subtraction on the Number Line	45	7.NS.1
Addition of Integers	49	7.NS.1 7.NS.3
Subtraction of Integers	52	7.NS.1 7.NS.3
Adding and Subtracting Many Integers	56	7.NS.1 7.NS.3
Distance and More Practice	58	7.NS.1 7.NS.3
Multiplying Integers	62	7.NS.2 7.NS.3
Dividing Integers	67	7.NS.2 7.NS.3
Negative Fractions	69	7.NS.2 7.NS.3
The Order of Operations	73	7.NS.1 7.NS.2 7.NS.3
Chapter 2 Mixed Review	75	7.EE.1
Chapter 2 Review	77	7.NS.1 7.NS.2 7.NS.3

## Chapter 3: Solving One-Step Equations

*Note: The first lesson is intended for review.*

Lesson	page	Standards
Solving Equations	82	6.EE.5 6.EE.7 7.EE.4
Addition and Subtraction Equations	89	7.EE.4
Multiplication and Division Equations	93	7.EE.4
Word Problems	97	7.EE.4
Constant Speed	100	7.RP.2.c 7.EE.3 7.EE.4
Chapter 3 Mixed Review	107	7.NS.1 7.NS.2 7.NS.3 7.EE.1
Chapter 3 Review	110	7.EE.3 7.EE.4

## Chapter 4: Rational Numbers

Lesson	page	Standards
Rational Numbers	116	7.NS.2.d
Adding and Subtracting Rational Numbers	124	7.NS.1 7.NS.3
Multiply and Divide Rational Numbers 1	130	7.NS.2
Multiply and Divide Rational Numbers 2	134	7.NS.2 7.NS.3
Many Operations with Rational Numbers	141	7.NS.1 7.NS.2 7.NS.3 7.EE.3
Scientific Notation	145	8.EE.4
Equations with Fractions	148	7.EE.3 7.EE.4
Equations with Decimals	153	7.EE.4
Chapter 4 Mixed Review	156	7.EE.4 7.NS.1 7.NS.2 7.NS.3
Chapter 4 Review	158	7.NS.2.d 7.NS.1 7.NS.2 7.NS.3 7.EE.3 7.EE.4

## Chapter 5: Equations and Inequalities

*Note: This chapter includes topics that exceed the CCS for 7th grade but that are traditionally included in pre-algebra courses, namely the topics of combining like terms and using the distributive property to solve linear equations, graphing, and slope.*

Lesson	page	Standards
Two-Step Equations	167	7.EE.4
Two-Step Equations: Practice	172	7.EE.4
Growing Patterns 2	176	7.EE.2 7.EE.4
A Variable on Both Sides	180	8.EE.7
Some Problem Solving	186	7.EE.4
Using the Distributive Property	189	7.EE.4 8.EE.7
Word Problems	195	7.EE.3 7.EE.4
Inequalities	198	7.EE.4
Word Problems and Inequalities	203	6.RP.3 7.EE.4
Graphing	205	8.F.3 8.F.4
An Introduction to Slope	209	8.F.2 8.F.3
Speed, Time and Distance	214	7.RP.2.c 8.EE.5 8.F.5
Chapter 5 Mixed Review	219	7.NS.1 7.NS.2 7.NS.3 7.EE.1
Chapter 5 Review	222	7.EE.4 8.EE.7 8.F.3