

Math Mammoth Grade 4 Alignment to the Common Core Standards

The table below lists each lesson in the two student worktexts, 4-A and 4-B, and next to it the relevant Common Core Standard.

Math Mammoth Grade 4-A

Chapter 1: Addition, Subtraction, Patterns, and Graphs

Lesson	page	Standards
Addition Review	11	4.OA.3 4.OA.5
Adding in Columns	14	4.OA.3
Subtraction Review	15	4.OA.5
Subtract in Columns	18	4.OA.3
Patterns and Mental Math	21	4.OA.3 4.OA.5
Patterns in Pascal's Triangle	23	4.OA.5
Bar Models in Addition and Subtraction	25	4.OA.3
Order of Operations	29	4.OA.3
Making Bar Graphs	31	4.OA.3
Line Graphs	33	4.OA.3
Rounding	36	4.NBT.3
Estimating	39	4.OA.3 4.NBT.3
Money and Discounts	41	4.OA.3 4.MD.2
Calculate and Estimate Money Amounts	44	4.OA.3 4.MD.2
Review Chapter 1	47	4.OA.3 4.MD.2

Chapter 2: Large Numbers and Place Value

Lesson	page	Standards
Thousands	51	4.NBT.1 4.NBT.2
At the Edge of Whole Thousands	54	4.NBT.1
More Thousands	56	4.NBT.1 4.NBT.2
Practicing with Thousands	58	4.NBT.1 4.NBT.2
Place Value with Thousands	60	4.NBT.1 4.NBT.2
Comparing with Thousands	62	4.OA.5 4.NBT.2
Adding and Subtracting Big Numbers	65	4.OA.5 4.NBT.1 4.NBT.4
Rounding and Estimating Large Numbers	69	4.NBT.3
Multiples of 10, 100, and 1000	73	4.NBT.1
Mixed Review Chapter 2	76	4.OA.3 4.NBT.2 4.MD.2
Review Chapter 2	78	4.NBT.1 4.NBT.2 4.NBT.3 4.NBT.4

Chapter 3: Multi-Digit Multiplication

Lesson	page	Standards
Understanding Multiplication	84	4.OA.1 4.OA.2
Multiplication Tables Review	87	4.OA.2 4.OA.3
Scales Problems	90	
Multiplying by Whole Tens and Hundreds	94	4.OA.2 4.OA.3 4.NBT.1 4.NBT.5 4.MD.3
Multiply in Parts 1	98	4.OA.1 4.OA.2 4.OA.3 4.NBT.5
Multiply in Parts 2	101	4.OA.1 4.OA.2 4.NBT.5
More Practice	105	4.OA.2 4.OA.5 4.NBT.5
Estimating in Multiplication	107	4.OA.2 4.NBT.3
Multiply in Columns - the Easy Way	109	4.OA.2 4.NBT.5
Multiply in Columns - the Easy Way, Part 2	112	4.OA.2 4.OA.3 4.NBT.5
Multiply in Columns - the Standard Way	115	4.OA.1 4.OA.2 4.OA.3 4.NBT.5
Multiplying in Columns, Practice	119	4.OA.1 4.OA.2 4.OA.3 4.NBT.3 4.NBT.5
Order of Operations Again	122	4.OA.1 4.OA.2 4.OA.3 4.NBT.5

Chapter 3, continued

Lesson	page	Standards
Money and Change	125	4.OA.1 4.OA.2 4.OA.3 4.MD.2
So Many of the Same Thing	128	4.OA.3 4.OA.5 4.MD.2
Multiplying Two-Digit Numbers in Parts	131	4.NBT.5
Multiply by Whole Tens in Columns	136	4.OA.2 4.NBT.4 4.NBT.5
Multiplying in Parts: Another Way	138	4.OA.2 4.NBT.5
The Standard Multiplication Algorithm with a Two-Digit Multiplier	140	4.OA.1 4.OA.2 4.NBT.5
Mixed Review Chapter 3	144	4.OA.2 4.OA.3 4.NBT.1 4.NBT.3 4.NBT.4 4.NBT.5
Review Chapter 3	146	4.OA.1 4.OA.2 4.OA.3 4.OA.5 4.NBT.1 4.NBT.5 4.MD.2

Chapter 4: Time and Measuring

Lesson	page	Standards
Time Units	153	4.MD.1 4.MD.2
The 24-Hour Clock	156	4.MD.2
Elapsed Time or How Much Time Passes	158	4.MD.2
Measuring Temperature: Celsius	163	
Measuring Temperature: Fahrenheit	167	
Temperature Line Graphs	169	
Measuring Length	171	4.MD.1
More Measuring in Inches and Centimeters	174	4.MD.3 4.MD.4
Feet, Yards, and Miles	176	4.MD.1 4.MD.2 4.MD.3
Metric Units For Measuring Length	181	4.MD.1 4.MD.2 4.MD.3
Customary Units of Weight	184	4.MD.1 4.MD.2
Metric Units of Weight	188	4.MD.1 4.MD.2
Customary Units of Volume	191	4.MD.1 4.MD.2
Metric Units of Volume	194	4.MD.1 4.MD.2
Mixed Review Chapter 4	197	4.OA.2 4.OA.3 4.NBT.3 4.NBT.5
Review Chapter 4	199	4.MD.1 4.MD.2 4.MD.3

Math Mammoth Grade 4-B

Chapter 5: Division

Lesson	page	Standards
Review of Division	10	4.OA.2 4.OA.5 4.NBT.6
Division Terms and Division with Zero	13	4.NBT.6
Dividing Whole Tens and Hundreds	15	4.OA.3 4.NBT.1 4.NBT.6
Finding Fractional Parts with Division	17	4.OA.2 4.OA.3
Order of Operations and Division	20	
The Remainder, Part 1	22	4.OA.3
The Remainder, Part 2	25	4.OA.3
Long Division 1	28	4.NBT.6
Long Division 2	32	4.NBT.6
Long Division 3	35	4.NBT.6
Long Division with 4-Digit Numbers	39	4.OA.3 4.NBT.6
More Long Division	43	4.OA.3 4.NBT.6
Remainder Problems	46	4.OA.2 4.OA.3 4.NBT.6
Long Division with Money	50	4.MD.2
Long Division Crossword Puzzle	52	4.NBT.6
Average	53	4.OA.3
Problems with Fractional Parts	56	4.OA.3 4.MD.2
Problems to Solve	58	4.OA.2 4.OA.3 4.MD.2
Divisibility	61	4.OA.4
Prime Numbers	65	4.OA.4
Finding Factors	68	4.OA.4

Chapter 5, continued

Lesson	page	Standards
Mixed Review Chapter 5	70	4.OA.3 4.NBT.1 4.NBT.2 4.NBT.3 4.NBT.4 4.MD.1
Review Chapter 5	72	4.OA.2 4.OA.3 4.OA.4 4.NBT.1 4.NBT.6

Chapter 6: Geometry

Lesson	page	Standards
Review: Area of Rectangles	79	4.MD.3
Review: Area and Perimeter	84	4.MD.3
Lines, Rays, and Angles	88	4.MD.5 4.G.1
Measuring Angles	91	4.MD.6
Drawing Angles	98	4.MD.6 4.G.1
Angle Problems	100	4.MD.6 4.MD.7
Estimating Angles	105	4.MD.6
Parallel and Perpendicular Lines	110	4.G.1
Parallelograms	115	4.MD.6 4.G.1 4.G.2
Triangles	118	4.MD.6 4.G.2
Line Symmetry	122	4.G.3
Mixed Review Chapter 6	125	4.OA.3 4.MD.1 4.NBT.5
Review Chapter 6	127	4.MD.3 4.MD.5 4.MD.6 4.MD.7 4.G.1 4.G.2 4.G.3

Chapter 7: Fractions

Lesson	page	Standards
One Whole and Its Fractional Parts	135	4.NF.3
Mixed Numbers	138	4.NF.3
Adding Fractions and Mixed Numbers 1	142	4.NF.3
Adding Fractions and Mixed Numbers 2	146	4.NF.3
Equivalent Fractions	149	4.NF.1 4.NF.5
Subtracting Fractions and Mixed Numbers	154	4.NF.3 4.NF.5
Comparing Fractions	157	4.NF.2
Multiplying Fractions by Whole Numbers	161	4.NF.4
Practicing with Fractions	164	4.NF.1 4.NF.2 4.NF.3 4.NF.4
Mixed Review Chapter 7	166	4.OA.3 4.NBT.6 4.MD.2 4.MD.3 4.MD.6 4.G.1 4.G.2
Review Chapter 7	168	4.NF.1 4.NF.2 4.NF.3 4.NF.4 4.NF.5

Chapter 8: Decimals

Lesson	page	Standards
Decimal Numbers—Tenths	173	4.NF.6 4.NF.7
Adding and Subtracting with Tenths	175	4.NF.6
Two Decimal Digits—Hundredths	177	4.NF.6 4.NF.7
Adding and Subtracting Hundredths	181	4.MD.2
Adding and Subtracting Decimals in Columns	185	4.NF.7 4.MD.2
Using Decimals with Measuring Units	188	4.NF.6 4.MD.2
Mixed Review Chapter 8	190	4.OA.3 4.OA.4 4.NBT.5 4.NF.3 4.NF.4 4.G.3 4.MD.2 4.MD.6
Review Chapter 8	192	4.NF.6 4.NF.7 4.MD.2