



Math Upgrade K Common Core Alignment By Standard

Learning Upgrade Version: April 2015

Standard	Topic	Math Upgrade K Level Numbers & Names
Counting & Cardinality		
K.CC.A.1	Count to 100	1 Count Find 5, 2 Count Find 10 8 Count to 10, 11 Count to 20 23 Count to 50, 28 Count to 80 30 Count to 100, 41 Skip Count 5s 10s
K.CC.A.2	Count Forward	8 Count to 10, 10 Number Parade 11 Count to 20
K.CC.A.3	Represent Objects with Numerals	5 Which Group 10 15 Which Group 20 6 How Many 5, 7 How Many 10 9 Listen 10, 13 Listen 20 48 Listen 50, 50 Listen 100
K.CC.B.4a, 4b, 4c	Count In Order, Last Number, Larger	3 Counting Cows, 4 Counting Sheep 10 5 Which Group 10, 15 Which Group 20
K.CC.B.5	Count How Many to 20	6 How Many 5, 7 How Many 10 12 Missing Numbers, 14 Counting Sheep 20 17 Count Squares, 18 Count Triangles 19 Count Circles
K.CC.C.6	Compare Groups Objects	22 Compare Groups
K.CC.C.7	Compare to 10	21 Compare to 10
Operations and Algebraic Thinking		
K.OA.A.1	Add Subtract Basics	24 Add Basics, 25 Add Count Together 43 Subtraction Basics 27 Hop Ahead A, 29 Hop Ahead B 45 Hop Back A, 46 Hop Back B 47 Hop Ahead Back A, 49 Hop Ahead Back A
K.OA.A.2	Add Subtract to 10	26 Add Count On, 44 Subtract Count Back 37 Add Count 3, 39 Add Count 6 40 Add Count 10
K.OA.A.3	Decompose	31 Decompose
K.OA.A.4	Make 10	32 Make 10
K.OA.A.5	Add Subtract to 5	34 Add Facts 1, 35 Add Facts 2 36 Add Facts 3, 38 Add Facts 4 42 Add Facts 5
Numbers & Operations (base 10)		
K.NBT.A.1	Compose Decompose to 19	33 Compose 19
Measurement & Data		
K.MD.A.1	Measurable Attributes	52 Measure Length, 53 Multiple Measures
K.MD.A.2	Compare Measures	52 Measure Length, 53 Multiple Measures
K.MD.B.3	Sort & count objects	51 Sort Count A, 54 Sort Count B
Geometry		
K.G.A.1	Shapes Positions	20 Shapes Positions A 55 Shapes Positions B
K.G.A.2	Name transformed shapes	16 Name That Shape
K.G.A.3	Identify shapes, 2-D, 3-D	56 Shapes 2D 3D
K.G.B.4	Same/different shapes, 2-D, 3-D	57 Compare Shapes
K.G.B.5	Model building using shapes/objects	58 Building Shapes
K.G.B.6	Compose shapes from shapes	59 Compose Shapes



Math Upgrade K Common Core Alignment

By Course Lesson

Learning Upgrade Version: April 2015

Lesson	Standard	Lesson	Standard
1 Count Find 5	CC.A.1	31 Decompose	OA.A.3
2 Count Find 10	CC.A.1	32 Make 10	OA.A.4
3 Counting Cows	CC.B.4	33 Compose 19	NBT.A.1
4 Counting Sheep 10	CC.B.4	34 Addition Facts 1s	OA.A.5
5 Which Group 10	CC.A.3, CC.B.4	35 Addition Facts 2s	OA.A.5
6 How Many 5	CC.A.3, CC.B.5	36 Addition Facts 3s	OA.A.5
7 How Many 10	CC.A.3, CC.B.5	37 Add Count 3	OA.A.2
8 Count to 10	CC.A.1, CC.A.2	38 Addition Facts 4s	OA.A.5
9 Listen 10	CC.A.3	39 Add Count 6	OA.A.2
10 Number Parade 10	CC.A.2	40 Add Count 10	OA.A.2
11 Count to 20	CC.A.1, CC.A.2	41 Skip Count 5s 10s	CC.A.1
12 Missing Numbers	CC.B.5	42 Addition Facts 5s	OA.A.5
13 Listen 20	CC.A.3	43 Subtraction Basics	OA.A.1
14 Counting Sheep 20	CC.B.5	44 Subtract Count Back	OA.A.2
15 Which Group 20	CC.A.3, CC.B.4	45 Hop Back A	OA.A.2
16 Name That Shape	K.G.A.2	46 Hop Back B	OA.A.2
17 Count Squares	K.CC.B.5, K.G.A.2	47 Hop Ahead Back A	OA.A.2
18 Count Triangles	K.CC.B.5, K.G.A.2	48 Listen 50	OA.A.3
19 Count Circles	K.CC.B.5, K.G.A.2	49 Hop Ahead Back B	OA.A.2
20 Shape Position A	K.G.A.1	50 Listen 100	CC.A.3
21 Compare to 10	CC.B.7	51 Sort Count A	K.MD.B.3
22 Compare Groups	CC.B.6	52 Measure Length	K.MD.A.1, A2
23 Count to 50	CC.A.1	53 Multiple Measures	K.MD.A.1, A2
24 Add Basics	OA.A.1	54 Sort Count B	K.MD.B.3
25 Add Count Together	OA.A.1	55 Shapes Positions B	K.G.A.1
26 Add Count On	OA.A.2	56 2D 3D Shapes	K.G.A.3
27 Hop Ahead A	OA.A.2	57 Compare Shapes	K.G.B.4
28 Count to 80	CC.A.1	58 Building Shapes	K.G.B.5
29 Hop Ahead B	OA.A.2	59 Compose Shapes	K.G.B.6
30 Count to 100	CC.A.1	60 Final Challenge	



Math Upgrade 1 Common Core Alignment By Standard

Learning Upgrade Version: January 2014

Standard	Topic	Math Upgrade 1 Level Numbers & Names
Operations And Algebraic Thinking		
1.OA.A.1	Add Sub Problems	8 Add Count Together, 43 Subtraction Basics 51 Number Sent Ad Sub, 52 Word Prob Add Sub
1.OA.A.2	Add Sub 3 Numbers	51 Number Sent Ad Sub, 52 Word Prob Add Sub
1.OA.B.3	Add Sub Properties	53 Addition Properties
1.OA.B.4	Subtract Unknown Addend	45 Subtract Missing Addend
1.OA.C.5	Add Sub Counting On	9 Add Count On, 37 Hop Ahead A, 38 Hop Ahead B 44 Sub Count Back, 46 Hop Back A, 47 Hop Back B
1.OA.C.6	Add Sub 20	8 Add Count Together, 9 Add Count On 10 Decompose 11 Add Facts 1s, 12 Add Facts 2s, 13 Add Facts 3s 15 Add Count 3, 16 Add Facts 4s, 17 Add Facts 5s 18 Add Facts 6s, 19 Add Count 6, 20 Add Facts 7s 21 Add Facts 8s, 22 Add Facts 9s, 23 Add Facts 10s 24 Add Count 10, 30 Add Challenge, 39 Add Make 10
1.OA.D.7	Equal Sign Equations	6 Compare 10, 27 Number Sent Add 51 Number Sent Add Sub *
1.OA.D.8	Unknown Number	51 Number Sent Add Sub
Number And Operations In Base Ten		
1.NBT.A.1	Count to 120	1 Count to 10, 2 Counting Cows, 3 Count to 20 4 Counting Sheep, 14 Count to 50, 25 Count to 80 28 Count to 100, 29 Number Names to 20 31 Skip Count by 2s, 34 Number Names to 100
1.NBT.B.2a	Group Tens	35 Group 10s
1.NBT.B.2b	Tens and Ones	35 Group 10s
1.NBT.B.2c	Tens Multiples	33 Skip Count 5s and 10s
1.NBT.B.3	Compare 100	6 Compare 10, 26 Compare 50, 36 Compare 100
1.NBT.C.4	Add within 100	40 Add Column 1-Digit, 41 Add 100 A, 42 Add 100 B
1.NBT.C.5	Add 10 Mentally	48 Add Mental 10
1.NBT.C.6	Subtract 10 Mentally	49 Sub Mental 10, 50 Add Sub Mental
Measurement And Data		
1.MD.A.1	Compare Lengths	55 Measure Length
1.MD.A.2	Measure Length	55 Measure Length
1.MD.B.3	Tell Time	56 Telling Time
1.MD.C.4	Organize Interpret Data	57 Collect Data Table
Geometry		
1.G.A.1	Shape Attributes	58 Shapes
1.G.A.2	Compose Shapes	59 Compose Shapes
1.G.A.3	Partition Shapes	54 Early Fractions

* enhancements planned to better meet standards



Math Upgrade 1 Common Core Alignment

By Course Lesson

Learning Upgrade Version: January 2014

Lesson	Standard	Lesson	Standard
1 Count to 10	1.NBT.A.1	31 Skip Count by 2s	1.NBT.A.1
2 Counting Cows	1.NBT.A.1	32 Odd and Even Numbers	Extra
3 Count to 20	1.NBT.A.1	33 Skip Count by 5s and 10s	1.NBT.B.2c
4 Counting Sheep	1.NBT.A.1	34 Number Names to 100	1.NBT.A.1
5 Number Line Basics		35 Group by 10s	1.NBT.B.2a 1.NBT.B.2b
6 Compare to 10	1.OA.D.7 1.NBT.B.3	36 Compare to 100	1.NBT.B.3
7 Missing Numbers		37 Hop Ahead A	1.OA.C.5
8 Add Count Together	1.OA.A.1 1.OA.C.6	38 Hop Ahead B	1.OA.C.5
9 Add Count On	1.OA.C.5 1.OA.C.6	39 Add Make 10	1.OA.C.6
10 Decompose	1.OA.C.6	40 Add Column of Digits	1.NBT.C.4
11 Addition Facts 1s	1.OA.C.6	41 Add to 100 A No Group	1.NBT.C.4
12 Addition Facts 2s	1.OA.C.6	42 Add to 100 B No Group	1.NBT.C.4
13 Addition Facts 3s	1.OA.C.6	43 Subtraction Basics	1.OA.A.1
14 Count to 50	1.NBT.A.1	44 Subtract Count Back	1.OA.C.5
15 Add Count to 3	1.OA.C.6	45 Subtract Missing Addend	1.OA.B.4
16 Addition Facts 4s	1.OA.C.6	46 Hop Back A	1.OA.C.5
17 Addition Facts 5s	1.OA.C.6	47 Hop Back B	1.OA.C.5
18 Addition Facts 6s	1.OA.C.6	48 Add Mental 10	1.NBT.C.5
19 Add Count to 6	1.OA.C.6	49 Subtract Mental 10	1.NBT.C.6
20 Addition Facts 7s	1.OA.C.6	50 Add Sub Mental	1.NBT.C.6
21 Addition Facts 8s	1.OA.C.6	51 Number Sentences Add Sub	1.OA.A.1 1.OA.A.2 1.OA.D.7 1.OA.D.8
22 Addition Facts 9s	1.OA.C.6	52 Add Subtract Word Problems	1.OA.A.1 1.OA.A.2
23 Addition Facts 10s	1.OA.C.6	53 Addition Properties	1.OA.B.3
24 Add Count 10	1.OA.C.6	54 Early Fractions Intro	1.G.A.3
25 Count to 80	1.NBT.A.1	55 Measure Length	1.MD.A.1 1.MD.A.2
26 Compare to 50	1.NBT.B.3	56 Telling Time	1.MD.B.3
27 Number Sentences Add	1.OA.D.7	57 Collect Data Table	1.MD.C.4
28 Count to 100	1.NBT.A.1	58 Shapes	1.G.A.1
29 Number Names to 20	1.NBT.A.1	59 Compose Shapes	1.G.A.2
30 Addition Facts Challenge	1.OA.C.6	60 Final Challenge	



Math Upgrade 2 Common Core Alignment By Standard

Learning Upgrade Version: January 2014

Standard	Topic	Math Upgrade 2 Level Numbers & Names
Operations And Algebraic Thinking		
2.OA.A.1	Add Subtract Problems	40 Add Subtract Word Problems
2.OA.B.2	Add Subtract Mental	16 to 25, Add Facts 1 to 10, 31 Add Facts Challenge, 37 Subtract Missing Addend
2.OA.C.3	Odd and Even	4 Odd and Even
2.OA.C.4	Add Multiply Arrays	42 Multiply Basics, 43 Multiply with Arrays
Number And Operations In Base Ten		
2.NBT.A.1a	Hundreds Place	10 Place Value, 11 Expanded Notation
2.NBT.A.1b	Hundreds	7 Count to 1000, 10 Place Value
2.NBT.A.2	Count within 1000	7 Count to 1000
2.NBT.A.3	Written Numbers	8 Number Names
2.NBT.A.4	Compare 3-Digit Numbers	12 Comparison Basics
2.NBT.B.5	Add Subtract 100	32 Add Column 1-Digit, 33 Long Addition, 38 Subtraction
2.NBT.B.6	Add Four 2-Digit	34 Add Column 2-Digit
2.NBT.B.7	Add Subtract 1000	33 Long Addition, 38 Subtraction
2.NBT.B.8	Add Sub Mental 10s 100s	27 Add Mental 10, 29 Add Mental 100, 28 Subtract Mental 10, 30 Subtract Mental 100
2.NBT.B.9	Add Sub Strategies	9 Group 10s, 33 Long Addition, 38 Subtraction, 41 Addition Properties
Measurement And Data		
2.MD.A.1	Measure Length	47 Measure Length
2.MD.A.2	Length Different Units	47 Measure Length*
2.MD.A.3	Estimate Lengths	48 Estimate Length
2.MD.A.4	Compare Length	49 Word Problems Length
2.MD.B.5	Length Word Problems	49 Word Problems Length
2.MD.B.6	Number Line Lengths	14 Add Count On, 36 Subtract Count Back
2.MD.C.7	Tell Time	52 Telling Time
2.MD.C.8	Money Word Problems	51 Word Problems Money
2.MD.D.9	Measurement Data	55 Graph Length Data
2.MD.D.10	Picture Bar Graph	54 Tables Graphs, 57 Charts Graphs
Geometry		
2.G.A.1	Shapes Categories	58 Shapes
2.G.A.2	Partition Rectangles	45 Early Fractions*
2.G.A.3	Partition Circles Rectangles	45 Early Fractions*

* enhancements planned to better meet standards



Math Upgrade 2 Common Core Alignment

By Course Lesson

Learning Upgrade Version: January 2014

Lesson	Standard	Lesson	Standard
1 Count to 100	Review	31 Addition Facts Challenge	2.OA.B.2
2 Number Line Basics	Review	32 Add Column 1-Digit	2.NBT.B.5
3 Skip Count by 2s	Review	33 Long Addition 2-Digit	2.NBT.B.5 2.NBT.B.7 2.NBT.B.9
4 Odd and Even Numbers	2.OA.C.3	34 Add Column 2-Digit	2.NBT.B.6
5 Skip Count by 5s & 10s	Review	35 Subtraction Basics	Review
6 Skip Count by 100s	Review	36 Subtract Counting Back	2.MD.B.6
7 Count to 1000	2.NBT.A.1b 2.NBT.A.2	37 Subtraction Missing Addends	Review
8 Number Names	2.NBT.A.3	38 Subtract 2-Digit	2.NBT.B.5 2.NBT.B.7 2.NBT.B.9
9 Grouping Tens	2.NBT.B.9	39 Number Sentences Add Sub	Review
10 Place Value Basics	2.NBT.A.1a 2.NBT.A.1b	40 Add Sub Word Problems	2.OA.A.1
11 Expanded Notation	2.NBT.A.1a	41 Addition Properties Comm Assoc	2.NBT.B.9
12 Compare Basics	2.NBT.A.4	42 Multiply Basics	2.OA.C.4
13 Add Count Together	Review	43 Multiply Arrays Grid	2.OA.C.4
14 Add Count On	2.MD.B.6	44 Division Basics	Extra
15 Decompose	Review	45 Early Fractions	2.G.A.2 2.G.A.3
16 Addition Facts 1s	2.OA.B.2	46 Patterns	Extra
17 Addition Facts 2s	2.OA.B.2	47 Measure Length	2.MD.A.1 2.MD.A.2
18 Addition Facts 3s	2.OA.B.2	48 Estimate Length	2.MD.A.3
19 Addition Facts 4s	2.OA.B.2	49 Length Word Problems	2.MD.A.4 2.MD.B.5
20 Addition Facts 5s	2.OA.B.2	50 Money Counting	Review
21 Addition Facts 6s	2.OA.B.2	51 Money Word Problems	2.MD.C.8
22 Addition Facts 7s	2.OA.B.2	52 Telling Time	2.MD.C.7
23 Addition Facts 8s	2.OA.B.2	53 Collect Data Table	Review
24 Addition Facts 9s	2.OA.B.2	54 Tables Graphs	2.MD.D.10
25 Addition Facts 10s	2.OA.B.2	55 Graph Length Data	2.MD.D.9
26 Add Make 10	Review	56 Table Word Problems	2.MD.D.9
27 Add 10 Mentally	2.NBT.B.8	57 Charts & Graphs	2.MD.D.10
28 Subtract 10 Mentally	2.NBT.B.8	58 Shapes	2.G.A.1
29 Add 100 Mentally	2.NBT.B.8	59 Compose Shapes	Review
30 Subtract 100 Mentally	2.NBT.B.8	60 Final Challenge	



Math Upgrade 3 Common Core Alignment By Standard

Learning Upgrade Version: January 2014

Standard	Topic	Math Upgrade 3 Level Numbers & Names
Operations And Algebraic Thinking		
3.OA.A.1	Multiply Groups Objects	25 Multiply Basics
3.OA.A.2	Divide Shares Objects	32 Division Basics, 33 Division Unknown Faactor
3.OA.A.3	Multiply Divide Problems	26 Multiply Arrays, 35 Multiply Word Problems
3.OA.A.4	Multiply Divide Unknown	33 Division Unknown Factor, 34 Number Sentences
3.OA.B.5	Properties Operations	37 Multiplication Properties
3.OA.B.6	Division Unknown Factor	33 Division Unknown Factor
3.OA.C.7	Multiply Divide 100	27 Mult Facts 1 to 5, 28 Mult Facts 6 to 10, 30 Mult Facts Challenge, 31 Multiply by 1 Digit , 33 Division Unknown Factor
3.OA.D.8	Two-Step Word Problems	36 Multi-Step Word Problems
3.OA.D.9	Patterns	44 Patterns *
Number And Operations In Base Ten		
3.NBT.A.1	Rounding	8 Rounding
3.NBT.A.2	Add Subtract 1000	17 Long Addition, 22 Subtraction
3.NBT.A.3	Multiply by 10	29 Multiply by 10s
Number And Operations—Fractions		
3.NF.A.1	Fractions Equal Parts	38 Early Fractions
3.NF.A.2a	Fractions Number Line	39 Fractions Number Line
3.NF.B.2b	Fractions Number Line	39 Fractions Number Line
3.NF.B.3a	Equivalent Fractions	40 Equivalent Fractions
3.NF.B.3b	Equivalent Fractions	40 Equivalent Fractions
3.NF.B.3c	Whole Number Fractions	40 Equivalent Fractions
3.NF.B.3d	Compare Fractions	42 Compare Fractions (*same denom)
Measurement And Data		
3.MD.A.1	Tell Time	50 Telling Time
3.MD.A.2	Measure Volume Mass	47 Measurement
3.MD.B.3	Picture Bar Graphs	52 Table Graphs, 53 Charts Graphs
3.MD.B.4	Measure Length	45 Measure Length, 51 Collect Data Table
3.MD.C.5a	Area Unit Square	55 Area Perimeter
3.MD.C.5b	Area Square Units	55 Area Perimeter
3.MD.C.6	Area Count Squares	55 Area Perimeter
3.MD.C.7a	Area Rectangle	55 Area Perimeter
3.MD.C.7b	Area Problems	55 Area Perimeter
3.MD.C.7c	Area Tiling	55 Area Perimeter*
3.MD.C.7d	Area Additive	55 Area Perimeter*
3.MD.D.8	Perimeter	55 Area Perimeter*
Geometry		
3.G.A.1	Shapes Categories	54 Shapes
3.G.A.2	Partition Shapes	38 Early Fractions, 40 Equivalent Fractions *

* enhancements planned to better meet standards



Math Upgrade 3 Common Core Alignment

By Course Lesson

Learning Upgrade Version: January 2014

Lesson	Standard	Lesson	Standard
1 Number Line Basics	Review	31 Multiply by 1 Digit	3.OA.C.7
2 Place Value Basics	Review	32 Divison Basics	3.OA.A.2
3 Expanded Notation	Review	33 Division Unknown Factor	3.OA.A.2 3.OA.A.4 3.OA.B.6 3.OA.C.7
4 Number Names	Review	34 Number sentences	3.OA.A.4
5 Odd and Even	Review	35 Multiply Word Problems	3.OA.A.3
6 Count by 5s & 10s	Review	36 Multi-Step Word Probs	3.OA.D.8
7 Grouping Tens	Review	37 Multiply Properties	3.OA.B.5
8 Rounding	3.NBT.A.1	38 Fractions Intro	3.NF.A.1 3.G.A.2
9 Comparison	Review	39 Fractions Number Line	3.NF.A.2a 3.NF.B.2b
10 Order to 1000	Review	40 Equivalent Fractions	3.NF.B.3a 3.NF.B.3b 3.NF.B.3c 3.G.A.2
11 Add Count Together	Review	41 Add Fractions Same Den	Extra
12 Add Count On Number Line	Review	42 Compare Fractions	3.NF.B.3d
13 Decompose	Review	43 Decimal Basics	Extra
14 Addition Facts 1 to 5	Review	44 Patterns	3.OA.D.9
15 Addition Facts 6 to 10	Review	45 Measure Length	3.MD.B.4
16 Add Column 1 Digit	Review	46 Measure Temperature	Extra
17 Long Addition	3.NBT.A.2	47 Measurement	3.MD.A.2
18 Add Column 2 Digit	Review	48 Money Counting	Extra
19 Subtraction Basics	Review	49 Money Word Problems	Extra
20 Subtract Counting Back	Review	50 Telling Time	3.MD.A.1
21 Subtract Missing Addends	Review	51 Collect Data Table	3.MD.B.4
22 Subtraction 2 Digit	3.NBT.A.2	52 Tables Graphs	3.MD.B.3
23 Add Sub Word Problems	Review	53 Charts & Graphs	3.MD.B.3
24 Addition Properties	Review	54 Shapes	3.G.A.1
25 Multiply Basics	3.OA.A.1	55 Area Perimeter Volume	3.MD.C.5a, 5b 3.MD.C.6 3.MD.C.7a,7b,7c,7d 3.MD.D.8
26 Multiply Arrays	3.OA.A.3	56 Lines	Extra
27 Mult Facts 1-5	3.OA.C.7	57 Angles Basics	Extra
28 Mult Facts 6-10	3.OA.C.7	58 Triangles	Extra
29 Multiply by 10s	3.NBT.A.3	59 Geometry Word Problems	Extra
30 Multiply Facts Challenge	3.NBT.A.3	60 Final Challenge	



Math Upgrade 4 Common Core Alignment By Standard

Learning Upgrade Version: January 2014

Standard	Topic	Math Upgrade 4 Level Numbers & Names
Operations And Algebraic Thinking		
4.OA.A.1	Multiply Comparison	10 Multiply Basics 11 Multiply Arrays
4.OA.A.2	Multiply Word Probs	21 Multiply Word Problems
4.OA.A.3	Multi-Step Word Probs	22 Multi-Step Word Problems
4.OA.B.4	Factors Multiples	29 Factors Multiples 30 Prime Numbers
4.OA.C.5	Patterns	40 Patterns
Number And Operations In Base Ten		
4.NBT.A.1	Place value digits	1 Place Value, 14 Multiply 10s
4.NBT.A.2	Multi-Digit Numbers	1 Place Value, 3 Comparison
4.NBT.A.3	Rounding	2 Rounding
4.NBT.B.4	Add Subtract Multi Digit	5 Long Addition, 6 Add 4 2-Digit, 8 Subtraction
4.NBT.B.5	Multiply Multi-Digit	15 Multiply 1-Digit, 16 Long Multiplication
4.NBT.B.6	Divide Multi-Digit	19 Long Division (*models)
Number And Operations—Fractions		
4.NF.A.1	Equivalent Fractions	27 Equivalent Fractions
4.NF.A.2	Compare Fractions	35 Compare Fractions
4.NF.B.3a	Fraction Parts	25 Fractions Intro
4.NF.B.3b	Decompose Fractions	25 Fractions Intro
4.NF.B.3c	Add Mixed Numbers	33 Add Fractions Same Denom
4.NF.B.3d	Fractions Word Probs	36 Fractions Word Problems
4.NF.B.4a	Fractions Multiply 1	32 Multiply Fractions
4.NF.B.4b	Fractions Multiply 2	32 Multiply Fractions
4.NF.B.4c	Fractions Word Probs	36 Fractions Word Problems
4.NF.C.5	Fractions Decimals	38 Decimal Place Value*
4.NF.C.6	Decimal Notation	38 Decimal Place Value*
4.NF.C.7	Compare Decimals	39 Compare Decimals
Measurement And Data		
4.MD.A.1	Measurement	43 Measure Length, 44 Measurement
4.MD.A.2	Word Problems	22 Multi-Step Problems, 36 Fractions Word Problems, 45 Conversions, 46 Money Word Problems
4.MD.A.3	Area Perimeter	53 Area Perimeter
4.MD.B.4	Fractions Number Line	26 Fractions Number Line
4.MD.C.5a	Angles	55 Angles Basics, 56 Angle Measure
4.MD.C.5b	Angle Degrees	56 Angle Measure
4.MD.C.6	Angle Measure	56 Angle Measure
4.MD.C.7	Angles Add	56 Angle Measure*
Geometry		
4.G.A.1	Lines Angles	54 Lines, 55 Angle Basics
4.G.A.2	2-D Figures	51 Shapes, 57 Triangles
4.G.A.3	Symmetry	59 Symmetry

* enhancements planned to better meet standards



Math Upgrade 4 Common Core Alignment

By Course Lesson

Learning Upgrade Version: January 2014

Lesson	Standard	Lesson	Standard
1 Place Value	4.NBT.A.1 4.NBT.A.2	31 Reduce Fractions	Extra
2 Rounding	4.NBT.A.3	32 Multiply Fractions	4.NF.B.4a 4.NF.B.4b
3 Comparison	4.NBT.A.2	33 Add Fractions Same Den	4.NF.B.3c
4 Number Line	Review	34 Add Fractions Diff Denom	Extra
5 Long Addition	4.NBT.B.4	35 Compare Fractions	4.NF.A.2
6 Add 4 2-Digit	4.NBT.B.4	36 Fractions Word Problems	4.NF.B.3d 4.NF.B.4c 4.MD.A.2
7 Add Properties	Review	37 Decimal Basics	Review
8 Subtraction	4.NBT.B.4	38 Decimal Place Value	4.NF.C.5 4.NF.C.6
9 Add Sub Word Problems	Review	39 Compare Decimals	4.NF.C.7
10 Multiply Basics	4.OA.A.1	40 Patterns	4.OA.C.5
11 Multiply Arrays	4.OA.A.1	41 Expressions	Extra
12 Mult Facts 1-5	Review	42 Variables	Extra
13 Mult Facts 6-10	Review	43 Measure Length	4.MD.A.1
14 Multiply by 10s	Review	44 Measurement	4.MD.A.1
15 Multiply by 1 Digit	4.NBT.B.5	45 Conversions	4.MD.A.2
16 Long Multiplication	4.NBT.B.5	46 Money Word Problems	4.MD.A.2
17 Division Basics	Review	47 Mean, Median, Mode	Extra
18 Division Unknown Factor	Review	48 Charts Graphs	Extra
19 Long Division	4.NBT.B.6	49 Table Graphs	Extra
20 Number Sentences	Review	50 Coordinate Graphs	Extra
21 Multiply Word Problems	4.OA.A.2	51 Shapes	4.G.A.2
22 Multi-Step Word Problems	4.OA.A.3 4.MD.A.2	52 Sort & Classify	Review
23 Multiply Properties	Review	53 Perimeter Area Volume	4.MD.A.3
24 Estimation	Review	54 Lines	4.G.A.1
25 Fractions Intro	Review	55 Angles Basics	4.G.A.1
26 Fractions Number Line	4.MD.B.4	56 Angle Measure	4.MD.C.5b 4.MD.C.6 4.MD.C.7
27 Equivalent Fractions	4.NF.A.1	57 Triangles	4.G.A.2
28 Fractions Basics	4.NF.A.3a 4.NF.A.3b	58 Geometry Word Problems	Extra
29 Factors Multiples	4.OA.B.4	59 Symmetry Transforms	4.G.A.3
30 Prime Numbers	4.OA.B.4	60 Final Challenge	



Math Upgrade 5 Common Core Alignment By Standard

Learning Upgrade Version: January 2014

Standard	Topic	Math Upgrade 5 Level Numbers & Names
Operations And Algebraic Thinking		
5.OA.A.1	Parentheses, brackets	47 Order of Operations
5.OA.A.2	Numerical expressions	46 Translate Words to Algebra
5.OA.B.3	Patterns	44 Patterns
Number And Operations In Base Ten		
5.NBT.A.1	Place value digits	1 Place Value, 36 Decimal Basics, 37 Decimal Place Value
5.NBT.A.2	Multiply Powers of 10	12 Multiply 10s (*powers 10)
5.NBT.A.3.a	Decimals to thousandths	36 Decimal Basics 37 Decimal Place Value
5.NBT.A.3.b	Compare decimals	38 Compare Decimals
5.NBT.A.4	Round decimals	37 Decimal Place Value
5.NBT.B.5	Multiply whole numbers	14 Long Multiplication
5.NBT.B.6	Divide whole numbers	16 Division Basics 17 Division Unknown Factor 18 Long Division(* illustrate),
5.NBT.B.7	Decimal operations	39 Add Decimals, 40 Multiply Decimals
Number And Operations—Fractions		
5.NF.A.1	Add Fractions Unlike Den	33 Add Fractions Diff Den, 32 Add Fractions Same Den
5.NF.A.2	Fraction Word Problems	35 Fraction Word Problems
5.NF.B.3	Multiply Fractions	31 Multiply Fractions, 35 Fractions Word Problems
5.NF.B.4.a	Multiply Fractions	26 Equivalent Fractions, 31 Multiply Fractions
5.NF.B.4.b	Area Fractional Lengths	53 Area 5 (* Fractional Side Lengths)
5.NF.B.5.a	Compare Product Factor	34 Compare Fractions
5.NF.B.5.b	Fraction > 1, < 1	34 Compare Fractions (* >1, < 1)
5.NF.B.6	Fraction Mult Problems	35 Fraction Word Problems
5.NF.B.7.a	Divide Fractions	31 Multiply Fractions
5.NF.B.7.b	Divide Fractions	31 Multiply Fractions (* visual model)
5.NF.B.7.c	Fraction Div Problems	35 Fraction Word Problems
Measurement And Data		
5.MD.A.1	Convert Measurements	50 Conversions
5.MD.B.2	Fraction Measurements	25 Fractions Number Line (*operations)
5.MD.C.3a	Volume Measurement	54 Volume Prism 5
5.MD.C.3b	Volume Measurement	54 Volume Prism 5
5.MD.C.4	Volume Measurement	54 Volume Prism 5
5.MD.C.5a	Volume Measurement	54 Volume Prism 5
5.MD.C.5b	Volume Measurement	54 Volume Prism 5
5.MD.C.5c	Volume Measurement	54 Volume Prism 5
Geometry		
5.G.A.1	Coordinate Plane	48 Coordinate Graphs
5.G.A.2	Coordinate Problems	48 Coordinate Graphs (*real world)
5.G.B.3	Classify 2D Figures	57 Triangles, 58 Polygons
5.G.B.4	Classify 2D Figures	57 Triangles, 58 Polygons

* enhancements planned to better meet standards



Math Upgrade 5 Common Core Alignment By Course Lesson

Learning Upgrade Version: January 2014

Lesson	Standard	Lesson	Standard
1 Place Value	5.NBT.A.1	31 Multiply Fractions	5.NF.B.3,4a,7a,7b
2 Rounding	Review	32 Add Fractions Same Denom	5.NF.A.1
3 Comparison	Review	33 Add Fractions Diff Denom	5.NF.A.1
4 Number Line	Review	34 Compare Fractions	5.NF.B.5a,b
5 Long Addition	Review	35 Fractions Word Problems	5.NF.A.2,3,6,7c
6 Subtraction	Review	36 Decimal Basics	5.NBT.A.1, 3a
7 Add Sub Word Problems	Review	37 Decimal Place Value	5.NBT.A.1, 3a, 4
8 Multiply Basics	Review	38 Compare Decimals	5.NBT.A.3b
9 Multiply Arrays	Review	39 Add Decimals	5.NBT.B.7
10 Mult Facts 1-5	Review	40 Multiply Decimals	5.NBT.B.7
11 Mult Facts 6-10	Review	41 Percent Convert	Extra
12 Multiply by 10s	5.NBT.A.2	42 Percent Problems	Extra
13 Multiply by 1 Digit	Review	43 Compare Fractions Dec	Extra
14 Long Multiplication	5.NBT.B.5	44 Patterns	5.OA.B.3
15 Exponents Basics	Extra	45 Algebra Basics	Extra
16 Divison Basics	5.NBT.B.6	46 Translate Words To Algebra	5.OA.A.2
17 Division Unknown Factor	5.NBT.B.6	47 Order of Operations	5.OA.A.1
18 Long Division	5.NBT.B.6	48 Coordinate Graphs	5.G.A.1,2
19 Number Sentences	Review	49 Measurement	Review
20 Multiply Word Problems	Review	50 Conversions	5.MD.A.1
21 Multi-Step Word Problems	Review	51 Money Word Problems	Extra
22 Multiply Properties	Review	52 Mean, Median, Mode	Extra
23 Estimation	Review	53 Area 5	5.NF.B.4b
24 Fractions Intro	Review	54 Volume Prism 5	5.MD.C.3a,b,4 5.MD.C.5a,b,c
25 Fractions Number Line	5.MD.B.2	55 Angles Lines	Review
26 Equivalent Fractions	5.NF.B.4a	56 Angle Measure	Review
27 Fractions Basics	Review	57 Triangles	5.G.B.3,4
28 Factors Multiples	Review	58 Polygons	5.G.B.3,4
29 Prime Numbers	Review	59 Symmetry Transforms	Extra
30 Reduce Fractions	Extra	60 Final Challenge	



Math Upgrade 6 Common Core Alignment By Standard

Learning Upgrade Version: January 2014

Standard	Topic	Math Upgrade 6 Level Numbers & Names
Ratios And Proportional Relationships		
6.RP.A.1	Ratio Basics	34 Ratio Proportions
6.RP.A.2	Rate	34 Ratio Proportions
6.RP.A.3.a	Ratio Tables Graphs	35 Relationships Tables Graphs
6.RP.A.3.b	Price Speed Problems	36 Unit Rate 6
6.RP.A.3.c	Percent	37 Percent Basics, 38 Percent Problems
6.RP.A.3.d	Convert Measurements	39 Conversions
The Number System		
6.NS.A.1	Divide Fractions	15 Multiply Fractions, 16 Divide Fractions Problems
6.NS.B.2	Divide Multi-digit	11 Long Division
6.NS.B.3	Decimal Operations	18 Add Decimals, 19 Multiply Decimals
6.NS.B.4	GCF & LCM	12 Factors Multiples, 13 Reduce Fractions, 14 Add Fractions
6.NS.C.5	Positive / Negative	2 Negative Numbers
6.NS.C.6a	Rational Number Line	3 Rational Numbers, 4 Number Line
6.NS.C.6b	Coordinate Quadrants	6 Coordinate Graphs
6.NS.C.6c	Plot Rational Numbers	4 Number Line, 5 Fractions Number Line, 6 Coordinate Graphs
6.NS.C.7.a	Graph Inequalities	7 Graph Inequalities*
6.NS.C.7.b	Rational Order	4 Number Line, 7 Graph Inequalities
6.NS.C.7.c	Absolute Value	8 Absolute Value
6.NS.C.7.d	Absolute vs Order	2 Negative Numbers, 8 Absolute Value*
6.NS.C.8	Coordinate Graphs	6 Coordinate Graphs, 49 Draw Polygons Coord Plane
Expressions And Equations		
6.EE.A.1	Whole Number Exponents	21 Exponent Basics
6.EE.A.2a	Words to Expressions	22 Algebra Terms, 23 Translate Words to Algebra
6.EE.A.2b	Expression Terms	22 Algebra Terms, 23 Translate Words to Algebra
6.EE.A.2c	Evaluate Expressions	24 Algebra Basics, 25 Order of Ops, 26 Multiply Variables
6.EE.A.3	Equivalent Expressions	27 Add Like Terms, 28 Distributive, 29 Commutative Property
6.EE.A.4	Equivalent Expressions	30 Equivalent Expressions
6.EE.B.5	Solve Eq Substitution	31 Equations True
6.EE.B.6	Variables Problems	23 Translate Words to Algebra, 33 Word Problems 1-Step
6.EE.B.7	Solve 1-Step Equations	32 Solve 1-Step Equations
6.EE.B.8	Inequalities Graph	7 Graph Inequalities
6.EE.C.9	Relationships Variables	33 Word Problems, 35 Relations Tables Graphs
Geometry		
6.G.A.1	Area Polygons	43 Polygon Areas
6.G.A.2	Volume Prism	47 Volume Prism 6A, 48 Volume Prism 6B
6.G.A.3	Polygons Coord Plane	49 Draw Polygons
6.G.A.4	3-D Figures Nets	50 Nets Surface Area
Statistics And Probability		
6.SP.A.1	Statistics Variability	51 Statistics Basics
6.SP.A.2	Distribution Center Spread	53 Distribution Dot Plots
6.SP.A.3	Center, Variation	53 Distribution Dot Plots, 54 Mean Median, 57 Variation MAD
6.SP.B.4	Plot Data Number Line	53 Distribution Dot Plots, 55 Histogram, 56 Box Whisker
6.SP.B.5.a	Number of Observations	51 Statistics Basics
6.SP.B.5.b	Data Attributes	51 Statistics Basics
6.SP.B.5.c	Measure Center Variation	54 Mean Median, 57 Variation MAD
6.SP.B.5.d	Shape vs Measures	58 Summarize Data



Math Upgrade 6 Common Core Alignment

By Course Lesson

Learning Upgrade Version: January 2014

Lesson	Standard	Lesson	Standard
1 Place Value	Review	31 Equation True	6.EE.B.5
2 Negative Numbers	6.NS.C.5 6.NS.C.7.b, 6.NS.C.7.d	32 Solve 1-Step	6.EE.B.7
3 Rational Numbers	6.NS.C.6a	33 Word Problems 1-Step	6.EE.B.6 6.EE.B.7 6.EE.C.9
4 Number Line	6.NS.C.6a, 6.NS.C.6c 6.NS.C.7.b	34 Ratio Proportions	6.RP.A.1 6.RP.A.2
5 Fractions Number Line	6.NS.C.6c	35 Relations Tables Graphs	6.RP.A.3a 6.EE.C.9
6 Coordinate Graphs	6.NS.C.6b 6.NS.C.6c 6.NS.C.8	36 Unit Rate Problems	6.RP.A.3b
7 Graph Inequalities	6.NS.C.7.a, 6.NS.C.7.b 6.EE.B.8	37 Percent Basics	6.RP.A.3c
8 Absolute Value	6.NS.C.7.c, 6.NS.C.7.d	38 Percent Problems	6.RP.A.3c
9 Add Sub Negative Numbers	Advanced	39 Conversions	6.RP.A.3.d
10 Mult Divide Negative Num	Advanced	40 Angles	Review
11 Long Division	6.NS.B.2	41 Triangles	6.G.A.1
12 Factors / Multiples	6.NS.B.4	42 Polygons	6.G.A.1
13 Reduce Fractions	6.NS.B.4	43 Area Polygons	6.G.A.1
14 Add Fractions Diff Denom	6.NS.B.4	44 Symmetry	Review
15 Multiply Fractions	6.NS.A.1	45 Solid Figures	6.EE.A.2c
16 Divide Fractions Problems	6.NS.A.1	46 Volume Prism 5	Review
17 Decimal Place Value	Review	47 Volume Prism 6A 1 Step	6.G.A.2
18 Add Decimals	6.NS.B.3	48 Volume Prism 6B 2 Step	6.G.A.2
19 Multiply Decimals	6.NS.B.3	49 Draw Polygons Coord Plane	6.G.A.3 6.NS.C.8
20 Compare Fractions Decimals	Review	50 3-D Figures Nets	6.G.A.4
21 Exponent Basics	6.EE.A.1	51 Statistics Basics	6.SP.A.1 6.SP.B.5.a, 6.SP.B.5.b
22 Algebra Terms	6.EE.A.2a 6.EE.A.2b	52 Charts Graphs	Review
23 Translate Words to Algebra	6.EE.A.2a 6.EE.A.2b 6.EE.B.6	53 Distribution	6.SP.A.2 6.SP.A.3 6.SP.B.4
24 Algebra Basics	6.EE.A.2c	54 Center Mean Median	6.SP.A.3 6.SP.B.5.c
25 Order of Operations	6.EE.A.2c	55 Histogram	6.SP.B.4
26 Multiply Variables	6.EE.A.2c	56 Box & Whisker	6.SP.B.4
27 Add Like Terms	6.EE.A.3	57 Variation MAD	6.SP.A.3 6.SP.B.5c
28 Distributive Property	6.EE.A.3	58 Summarize Data	6.SP.B.5.d
29 Commutative Property	6.EE.A.3	59 Performance Prob 6C	
30 Equivalent Expressions	6.EE.A.4	60 Final Challenge	

*enhancements to level or change extra / state level to Common Core level planned



Math Upgrade 7 Common Core Alignment By Standard

Learning Upgrade Version: January 2014 **DRAFT NOT FINAL**

Standard	Topic	Math Upgrade 7 Level Numbers & Names
Ratios And Proportional Relationships		
7.RP.A.1	Unit Rates 7	33 Unit Rate 7
7.RP.A.2a	Relationship Proportional?	34 Relations Tables Graphs
7.RP.A.2b	Constant of Proportionality	35 Constant of Proportionality
7.RP.A.2c	Proportion Equations	33 Unit Rate 7, 36 Ratios Proportions
7.RP.A.2d	Proportion Graphs	37 Proportion Graphs
7.RP.A.3	Proportion Problems	38 Percent Problems, 39 Proportion Word Problems
The Number System		
7.NS.A.1a	Rational Addition Make 0	7 Rational Add Subtract
7.NS.A.1b	Rational Addition Graph	2 Negative Numbers, 7 Rational Add Subtract
7.NS.A.1c	Rational Subtract	6 Signed Add Subtract, 7 Rational Add Subtract
7.NS.A.1d	Rational Add Subtract	7 Rational Add Subtract
7.NS.A.2a	Rational Mult Basics	8 Signed Multiply Divide, 9 Rational Multiply Divide
7.NS.A.2b	Rational Division	8 Signed Multiply Divide, 9 Rational Multiply Divide
7.NS.A.2c	Rational Mult Division	9 Rational Multiply Divide
7.NS.A.2d	Rational to Decimal	10 Compare Fractions Decimals
7.NS.A.3	Rational Word Problems	11 Divide Fractions Problems, 12 Rational Word Problems
Expressions And Equations		
7.EE.A.1	Rational Coeff Expressions	21 Expressions Rational Coeff
7.EE.A.2	Rewrite expressions	22 Rewrite Expressions
7.EE.B.3	Multi-Step real world	23 Fractions Word Problems, 24 Multi-Step Rational Problems
7.EE.B.4a	Linear Word Problems	26 Solve Equations, 27 Rate, 28 Linear Word Problems
7.EE.B.4b	Inequalities Word Problems	29 Solve Inequal, 30 Graph Inequal, 31 Inequal Word Problems
Geometry		
7.G.A.1	Scale Drawings	42 Scale Drawings
7.G.A.2	Draw Shapes	43 Draw Shapes
7.G.A.3	Slice 3D Figures	44 Slice 3D Figures
7.G.A.4	Circles	45 Circles
7.G.A.5	Angles	46 Angles
7.G.A.6	Surface Area Word Prob	47 Solid Figures
Statistics And Probability		
7.SP.A.1	Sample Populations	50 Sample Populations
7.SP.A.2	Sample Inferences	51 Sample Inferences
7.SP.B.3	Distribution Overlap	52 Distribution Overlap
7.SP.B.4	Distribution Inferences	53 Distribution Inferences
7.SP.C.5	Probability Basics	54 Probability Basics
7.SP.C.6	Probability Data	55 Probability Data
7.SP.C.7.a	Probability Model Uniform	56 Probability Model Uniform
7.SP.C.7.b	Probability Model Non	57 Probability Model Non Uniform
7.SP.C.8.a	Compound Events	58 Compound Events
7.SP.C.8.b	Tables, Tree Diagrams	59 Tables, Tree Diagrams (mu)
7.SP.C.8.c	Probability Simulation	58 Compound Events



Math Upgrade 7 Common Core Alignment By Course Lesson

Learning Upgrade Version: January 2014 **DRAFT NOT FINAL**

#	Lesson	Standard		Lesson	Standard
1	Rational Numbers	Review	31	Inequalities Word Problems	7.EE.B.4b
2	Negative Numbers	Review	32	Unit Rates 6	
3	Number Line	Review	33	Unit Rates 7	7.RP.A.1
4	Fractions Number Line	Review	34	Relations Tables Graphs	7.RP.A.2a
5	Absolute Value	Review	35	Constant of Proportionality	7.RP.A.2b
6	Signed Add Sub	7.NS.A.1a, 1b, 1c	36	Ratios Proportions	7.RP.A.2c
7	Rational Add Sub	7.NS.A.1d	37	Proportion graphs	7.RP.A.2d
8	Signed Mult Divide	7.NS.A.2a, 2b	38	Percent Problems	7.RP.A.3
9	Rational Mult Divide	7.NS.A.2c	39	Proportion Word Problems	7.RP.A.3
10	Compare Fractions Decimals	7.NS.A.2d	40	Triangles	Review
11	Divide Fractions Problems	7.NS.A.3	41	Polygons	Review
12	Rational Word Problems	7.NS.A.3	42	Scale Drawings	7.G.A.1
13	Rational Claims	7.NS.A.3	43	Draw Shapes	7.G.A.2
14	Algebra Terms	Review	44	Slice 3D Figures	7.G.A.3
15	Translate Words to Algebra	Review	45	Circles	7.G.A.4
16	Order of Operations	Review	46	Angles	7.G.A.5
17	Multiply Variables	Review	47	Solid Figures	7.G.A.6
18	Add Like Terms	Review	48	Distribution	Review
19	Distributive Property	Review	49	Summarize Data	Review
20	Commutative Property	Review	50	Sample Populations	7.SP.A.1
21	Expressions Rational Coeff	7.EE.A.1	51	Sample Inferences	7.SP.A.2
22	Rewrite Expressions	7.EE.A.2	52	Distribution Overlap	7.SP.B.3
23	Fraction Word Problems	7.EE.B.3	53	Distribution Inferences	7.SP.B.4
24	Multi-Step Rational Probs	7.EE.B.3	54	Probability Basics	7.SP.C.5
25	Solve One-Step Equations	Review	55	Probability Data	7.SP.C.6
26	Solve Equations	7.EE.B.4a	56	Probability Model Uniform	7.SP.B.7.a
27	Rate	7.EE.B.4a	57	Probability Model Non	7.SP.B.7.b
28	Linear Word Problems	7.EE.B.4a	58	Compound Events	7.SP.B.8.a,c
29	Solve Inequalities	7.EE.B.4b	59	Tables, Tree Diagrams	7.SP.B.8.b
30	Graph Inequalities	7.EE.B.4b	60	Final Challenge	



Math Upgrade 8 Common Core Alignment By Standard

© 2014 Learning Upgrade Version: June 2014

Standard	Topic	Math Upgrade 8 Level Numbers & Names
The Number System		
8.NS.A.1	Irrational Dec Expansion	2 Irrational Numbers
8.NS.A.2	Irrational Approximations	2 Irrational Numbers, 3 Square Roots
Expressions And Equations		
8.EE.A.1	Exponent Operations	5 Exponent Rules
8.EE.A.2	Square Roots, Cube Roots	4 Exponent Basics, 3 Square Roots, 6 Square Root Equations
8.EE.A.3	Scientific Notation	7 Scientific Notation, 9 Scientific Comparison
8.EE.A.4	Scientific Operations	8 Scientific Operations
8.EE.B.5	Slope and Proportion	22 Parallel Perpendicular, 28 Slope Unit Rate, 29 Proportion Word Problems, 31 Graphing Calculator
8.EE.B.6	Slope and Triangles	20 Slope of a line
8.EE.B.7a	Equation Solutions	15 Equation Solutions
8.EE.B.7b	Solve Equations	14 Solve Equations
8.EE.B.8a	Systems Graphing	32 Systems Graphing
8.EE.B.8b	Systems Substitution	33 Systems Substitution
8.EE.B.8c	Systems Problems	34 Systems Problems
Functions		
8.F.A.1	Functions Basics	35 Functions Relations, 36 Functions Notation
8.F.A.2	Compare Functions	37 Compare Functions
8.F.A.3	Linear Functions	16 Linear Equations, 18 Points on a Line, 19 Line Graphs, 38 Non-Linear Graphs
8.F.B.4	Model Linear Function	21 Slope Intercept, 39 Model Linear Functions
8.F.B.5	Non-Linear Graphs	38 Non-Linear Graphs
Geometry		
8.G.A.1a	Symmetry Lines	45 Symmetry Lab
8.G.A.1b	Symmetry Angles	45 Symmetry Lab
8.G.A.1c	Symmetry Parallel Lines	45 Symmetry Lab
8.G.A.2	Congruent Figures	46 Congruent Figures
8.G.A.3	Coordinate Symmetry	47 Coordinate Symmetry
8.G.A.4	Similar Figures	48 Similar Figures
8.G.A.5	Triangle Arguments	49 Triangle Arguments
8.G.B.6	Pythagorean Proof	50 Pythagorean Proof
8.G.B.7	Pythagorean Problems	51 Pythagorean Problems
8.G.B.8	Pythagorean Distance	52 Pythagorean Distance
8.G.C.9	Volume Solid Figures	53 Volume Solid Figures
Statistics And Probability		
8.SP.A.1	Scatterplots	54 Scatterplots, 55 Scatterplots Create
8.SP.A.2	Linear Fit	56 Linear Fit
8.SP.A.3	Linear Model Problems	57 Linear Model Problems
8.SP.A.4	Two-Way Tables	58 Two-Way Tables



Math Upgrade 8 Common Core Alignment By Course Lesson

Learning Upgrade Version: June 2014

#	Lesson	Standard		Lesson	Standard
1	Rational Numbers	review	31	Graphing Calculator	8.EE.B.5
2	Irrational Numbers	8.NS.A.1, 2	32	Systems Graphing	8.EE.C.8a
3	Square Roots	8.NS.A.2, 8.EE.A.2	33	Systems Substitution	8.EE.C.8b
4	Exponent Basics	review	34	Systems Problems	8.EE.C.8c
5	Exponent Rules	8.EE.A.1	35	Functions Relations	8.F.A.1
6	Square Root Equations	8.EE.A.2	36	Functions Notation	8.F.A.1
7	Scientific Notation	8.EE.A.3	37	Compare Functions	8.F.A.2
8	Scientific Operations	8.EE.A.4	38	Nonlinear Graphs	8.F.A.3, 8.F.B.5
9	Scientific Comparison	8.EE.A.3	39	Model Linear Functions	8.F.B.4
10	Coordinate Graphs	review	40	Angles Lines	review
11	Relations Table Graphs	review	41	Triangles	review
12	Translate Words to Algebra	review	42	Polygons	review
13	Solve 1-Step Equations	review	43	Scale Drawings	review
14	Solve Equations	8.EE.B.7b	44	Symmetry	review
15	Equation Solutions	8.EE.B.7a	45	Symmetry Lab	8.G.A.1a,1b,1c
16	Linear Equations	8.F.A.3	46	Congruent Figures	8.G.A.2
17	Graph by Intercept	review	47	Coordinate Symmetry	8.G.A.3
18	Points on a Line	8.F.A.3	48	Similar Figures	8.G.A.4
19	Line Graphs	8.F.A.3	49	Triangle Arguments	8.G.A.5
20	Slope of a Line	8.EE.B.6, 8.F.B.4	50	Pythagorean Proof	8.G.B.6
21	Slope Intercept	8.F.B.4	51	Pythagorean Problems	8.G.B.7
22	Parallel Perpendicular	8.EE.B.5	52	Pythagorean Distance	8.G.B.8
23	Point Slope	8.F.B.4	53	Volume Solid Figures	8.G.C.9
24	Ratio Proportion	review	54	Scatterplots	review
25	Unit Rates 7	review	55	Scatterplots Create	8.SP.A.1
26	Constant of Proportionality	review	56	Linear Fit	8.SP.A.2
27	Proportion graphs	review	57	Linear Model Problems	8.SP.A.3
28	Slope Unit Rate	8.EE.B.5	58	Two-Way Tables	8.SP.A.4
29	Proportion Word Problems	8.EE.B.5	59	Performance Problem 8	
30	Rate Problems	8.EE.B.5	60	Final Challenge	