



# Math Upgrade 4 Common Core Alignment By Standard

Learning Upgrade Version: January 2014

Standard	Topic	Math Upgrade 4 Level Numbers & Names
<b>Operations And Algebraic Thinking</b>		
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
<b>Number And Operations In Base Ten</b>		
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)
<b>Number And Operations—Fractions</b>		
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
<b>Measurement And Data</b>		
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*
<b>Geometry</b>		
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

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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	