



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

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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