



# Math Upgrade 7 Common Core Alignment By Standard

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

Standard	Topic	Math Upgrade 7 Level Numbers & Names
<b>Ratios And Proportional Relationships</b>		
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
<b>The Number System</b>		
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
<b>Expressions And Equations</b>		
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
<b>Geometry</b>		
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
<b>Statistics And Probability</b>		
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

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#	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	