



Math Upgrade Lesson List

#	Math Grade K	CCRS Level A	TABE Level L	Math Grade 1	CCRS Level A	TABE Level L
1	Count Find 5			Count to 10		
2	Count Find 10			Counting Cows		
3	Counting Cows			Count to 20		
4	Counting Sheep 10			Counting Sheep		
5	Which Group 10			Number Line Basics		
6	How Many 5			Compare to 10	NBT- place value; OA-add/sub	1.NBT.2, 3; 1.OA.7
7	How Many 10			Missing Numbers		
8	Count to 10			Add Count Together	OA- Add/ Subtract to 20	1.OA.4
9	Listen 10			Add Count On	OA- Add/ Subtract to 20	1.OA.4
10	Number Parade 10			Decompose	OA- Add/ Subtract to 20	1.OA.4
11	Count to 20			Addition Facts 1s	OA- Add/ Subtract to 20	1.OA.5
12	Missing Numbers			Addition Facts 2s	OA- Add/ Subtract to 20	1.OA.5
13	Listen 20			Addition Facts 3s	OA- Add/ Subtract to 20	1.OA.5
14	Counting Sheep 20			Count to 50		
15	Which Group 20			Add Count to 3	OA- Add/ Subtract to 20	1.OA.5
16	Name That Shape			Addition Facts 4s	OA- Add/ Subtract to 20	1.OA.5
17	Count Squares			Addition Facts 5s	OA- Add/ Subtract to 20	1.OA.5
18	Count Triangles			Addition Facts 6s	OA- Add/ Subtract to 20	1.OA.5
19	Count Circles			Add Count to 6	OA- Add/ Subtract to 20	1.OA.5
20	Shape Position A			Addition Facts 7s	OA- Add/ Subtract to 20	1.OA.5
21	Compare to 10			Addition Facts 8s	OA- Add/ Subtract to 20	1.OA.5
22	Compare Groups			Addition Facts 9s	OA- Add/ Subtract to 20	1.OA.5
23	Count to 50			Addition Facts 10s	OA- Add/ Subtract to 20	1.OA.5
24	Add Basics			Add Count 10	OA- Add/ Subtract to 20	1.OA.5
25	Add Count Together			Count to 80		
26	Add Count On			Compare to 50	NBT- place value	1.NBT.3
27	Hop Ahead A			Number Sentences Add	OA-add/sub	1.OA.8
28	Count to 80			Count to 100		
29	Hop Ahead B			Number Names to 20		
30	Count to 100			Addition Facts Challenge	OA- Add/ Subtract to 20	1.OA.6
31	Decompose			Skip Count by 2s		
32	Make 10			Odd and Even Numbers		
33	Compose 19			Skip Count by 5s and 10s	NBT- place value	
34	Addition Facts 1s			Number Names to 100		
35	Addition Facts 2s			Group by 10s	NBT- place value	1.NBT.3
36	Addition Facts 3s			Compare to 100	NBT- place value	1.NBT.3
37	Add Count 3			Hop Ahead A	OA- Add/ Subtract to 20	1.OA.6
38	Addition Facts 4s			Hop Ahead B	OA- Add/ Subtract to 20	1.OA.6
39	Add Count 6			Add Make 10	OA- Add/ Subtract to 20	1.OA.6
40	Add Count 10			Add Column of Digits	NBT- place value, add/ sub	1.NBT.4
41	Skip Count 5s 10s			Add to 100 A No Group	NBT- place value, add/ sub	1.NBT.4
42	Addition Facts 5s			Add to 100 B No Group	NBT- place value, add/ sub	1.NBT.4
43	Subtraction Basics			Subtraction Basics		
44	Subtract Count Back			Subtract Count Back	OA- Add/ Subtract to 20	1.OA.6
45	Hop Back A			Subtract Missing Addend	OA- Prop of operations	1.OA.3
46	Hop Back B			Hop Back A	OA- Add/ Subtract to 20	1.OA.6
47	Hop Ahead Back A			Hop Back B	OA- Add/ Subtract to 20	1.OA.6
48	Listen 50			Add Mental 10	NBT- place value, add/ sub	1.NBT.5
49	Hop Ahead Back B			Subtract Mental 10	NBT- place value, add/ sub	1.NBT.5, 6
50	Listen 100			Add Sub Mental	NBT- place value, add/ sub	1.NBT.5
51	Sort Count A			Number Sent Add Sub	OA- Add/ subtract wd prob	1.OA.2, 8
52	Measure Length			Add Sub Word Problems	OA- Add/ subtract wd prob	1.OA.2
53	Multiple Measures			Addition Properties		
54	Sort Count B			Early Fractions Intro		
55	Shapes Positions B			Measure Length	M-Measure lengths	1.MD.2
56	2D 3D Shapes			Telling Time		
57	Compare Shapes	G- Compare shapes	K.G.4	Collect Data Table	M-Represent Data	1.MD.4
58	Building Shapes			Shapes		
59	Compose Shapes			Compose Shapes	G-Shapes, attributes	1.G.2
60	Final Challenge			Final Challenge		



Math Upgrade Lesson List

#	Math Grade 2	CCRS Level B	TABE Level E	Math Grade 3	CCRS Level B	TABE Level E
1	Count to 100			Number Line Basics		
2	Number Line Basics			Place Value Basics		
3	Skip Count by 2s			Expanded Notation		
4	Odd and Even Numbers			Number Names		
5	Skip Count by 5s & 10s			Odd and Even		
6	Skip Count by 100s			Count by 5s & 10s		
7	Count to 1000	NBT- place value	2.NBT.2	Grouping Tens		
8	Number Names	NBT- place value	2.NBT.3	Rounding	NBT-Multi-digit add	3.NBT.1
9	Grouping Tens	NBT- place val, add/ sub	2.NBT.6	Comparison		
10	Place Value Basics	NBT- place value	2.NBT.1	Order to 1000		
11	Expanded Notation	NBT- place value	2.NBT.3	Add Count Together		
12	Compare Basics	NBT- place value	2.NBT.4	Add Count On Num Line		
13	Add Count Together			Decompose		
14	Add Count On	M-Add/subt lengths	2.MD.4	Addition Facts 1 to 5		
15	Decompose			Addition Facts 6 to 10		
16	Addition Facts 1s	OA- Add/ Subtract to 20	2.OA.1	Add Column 1 Digit		
17	Addition Facts 2s	OA- Add/ Subtract to 20	2.OA.1	Long Addition	NBT-Multi-digit add	3.NBT.2
18	Addition Facts 3s	OA- Add/ Subtract to 20	2.OA.1	Add Column 2 Digit		
19	Addition Facts 4s	OA- Add/ Subtract to 20	2.OA.1	Subtraction Basics		
20	Addition Facts 5s	OA- Add/ Subtract to 20	2.OA.1	Subtract Counting Back		
21	Addition Facts 6s	OA- Add/ Subtract to 20	2.OA.1	Subtract Missing Addends		
22	Addition Facts 7s	OA- Add/ Subtract to 20	2.OA.1	Subtraction 2 Digit	NBT-Multi-digit add	3.NBT.2
23	Addition Facts 8s	OA- Add/ Subtract to 20	2.OA.1	Add Sub Word Problems		
24	Addition Facts 9s	OA- Add/ Subtract to 20	2.OA.1	Addition Properties		
25	Addition Facts 10s	OA- Add/ Subtract to 20	2.OA.1	Multiply Basics	OA-Multiply/ divide	3.OA.1
26	Add Make 10			Multiply Arrays	OA-Multiply/ divide	3.OA.1
27	Add 10 Mentally	NBT- place val, add/ sub	2.NBT.6	Mult Facts 1-5	OA-Mult/ divide in 100	3.OA.7
28	Subtract 10 Mentally	NBT- place val, add/ sub	2.NBT.6	Mult Facts 6-10	OA-Mult/ divide in 100	3.OA.7
29	Add 100 Mentally	NBT- place val, add/ sub	2.NBT.6	Multiply by 10s	NBT-Multi-digit add	3.NBT.3
30	Subtract 100 Mentally	NBT- place val, add/ sub	2.NBT.6	Multiply Facts Challenge	OA-Mult/ divide in 100	3.OA.7
31	Addition Facts Challenge	OA- Add/ Subtract to 20	2.OA.1	Multiply by 1 Digit	OA-Mult/ divide in 100	3.OA.7
32	Add Column 1-Digit			Division Basics	OA-Multiply/ divide	3.OA.2
33	Long Addition 2-Digit	NBT- place val, add/ sub	2.NBT.6	Division Unknown Factor	OA-Mult/ divide, in 100	3.OA.4, 6
34	Add Column 2-Digit	NBT- place val, add/ sub	2.NBT.6	Number sentences	OA-Multiply/ divide	3.OA.3
35	Subtraction Basics			Multiply Word Problems	OA-Multiply/ divide	3.OA.3
36	Subtract Counting Back	M-Add/subt lengths	2.MD.4	Multi-Step Word Probs	OA-4 operations prob	3.OA.8
37	Subtract Missing Addends	OA- Add/ Subtract to 20	2.OA.1	Multiply Properties	OA-Multiply/ divide	3.OA.5
38	Subtract 2-Digit	NBT- place val, add/ sub	2.NBT.7	Fractions Intro	NF-Fractions numbers G-Shapes, attributes	3.NF.1; 3.G.2
39	Number Sent Add Sub			Fractions Number Line	NF-Fractions numbers	3.NF.2
40	Add Sub Word Problems	OA- Add/ Subt word prob	2.OA.1	Equivalent Fractions	NF-Fractions number G-Shapes, attributes s	3.NF.3; 3.G.2
41	Addition Properties Comm	NBT- place val, add/ sub	2.NBT.7	Add Fractions Same Den		
42	Multiply Basics			Compare Fractions	NF-Fractions numbers	3.NF.3
43	Multiply Arrays Grid			Decimal Basics		
44	Division Basics			Patterns	OA-4 operations prob	3.OA.9
45	Early Fractions	G-Shapes, attributes	2.G.1	Measure Length	M-Represent Data	3.MD.4
46	Patterns			Measure Temperature		
47	Measure Length	M-Measure lengths	2.MD.2	Measurement	M-Time, liquid	3.MD.2
48	Estimate Length	M-Measure lengths	2.MD.3	Money Counting		
49	Length Word Problems	M-Measure lengths		Money Word Problems		
50	Money Counting			Telling Time	M-Time, liquid	3.MD.1
51	Money Word Problems			Collect Data Table	M-Represent Data	3.MD.4
52	Telling Time			Tables Graphs	M-Represent Data	3.MD.3
53	Collect Data Table			Charts & Graphs	M-Represent Data	3.MD.3
54	Tables Graphs	M-Represent Data	2.MD.6, 10	Shapes	G-Shapes, attributes	3.G.1, 2
55	Graph Length Data			Area Perimeter Volume	M- Area, perimeter	3.MD.5, 7, 8
56	Table Word Problems			Lines		
57	Charts & Graphs	M-Represent Data	2.MD.6, 10	Angles Basics		
58	Shapes	G-Shapes, attributes	2.G.3	Triangles		
59	Compose Shapes			Geometry Word Problems		
60	Final Challenge			Final Challenge		



Math Upgrade Lesson List

#	Math Grade 4	CCRS Level C	TABE Level M	Math Grade 5	CCRS Level C	TABE Level M
1	Place Value	NBT- place value	4.NBT.1	Place Value	NBT- place value	5.NBT.7
2	Rounding	NBT- place value	4.NBT.3	Rounding		
3	Comparison	NBT- place value	4.NBT.1	Comparison		
4	Number Line			Number Line		
5	Long Addition	NBT- place value add	4.NBT.4	Long Addition		
6	Add 4 2-Digit	NBT- place value add	4.NBT.4	Subtraction		
7	Add Properties			Add Sub Word Problems		
8	Subtraction		4.NBT.4	Multiply Basics		
9	Add Sub Word Problems			Multiply Arrays		
10	Multiply Basics	OA- operations prob	4.OA.1	Mult Facts 1-5		
11	Multiply Arrays	OA- operations prob	4.OA.2	Mult Facts 6-10		
12	Mult Facts 1-5			Multiply by 10s	NBT- place value	
13	Mult Facts 6-10			Multiply by 1 Digit		
14	Multiply by 10s	NBT- place value	4.NBT.1	Long Multiplication	NBT-Operations to hundreds	5.NBT.5
15	Multiply by 1 Digit	NBT- place value add	4.NBT.5	Exponents Basics		
16	Long Multiplication	NBT- place value add	4.NBT.5	Division Basics	NBT-Operations to hundreds	4.NBT.6
17	Division Basics			Division Unknown Factor	NBT-Operations to hundreds	4.NBT.6
18	Division Unknown Factor			Long Division	NBT-Operations to hundreds	4.NBT.6
19	Long Division	NBT- place value add	4.NBT.6	Number Sentences		
20	Number Sentences			Multiply Word Problems		
21	Multiply Word Problems	OA- operations prob	4.OA.2	Multi-Step Word Prob		
22	Multi-Step Word Problems	OA- operations prob MD- Convert measure	4.OA.3; 5.MD.1	Multiply Properties		
23	Multiply Properties			Estimation		
24	Estimation			Fractions Intro		
25	Fractions Intro	NF- Build fractions	4.NF.3	Fractions Number Line	MD- Represent data	4.NF.1; 5.MD.2
26	Fractions Number Line			Equivalent Fractions	NF- Multiply/ divide	
27	Equivalent Fractions	NF-Frac equivalence	4.NF.1	Fractions Basics		
28	Fractions Basics			Factors Multiples		
29	Factors Multiples	OA- Factors	4.OA.4	Prime Numbers		
30	Prime Numbers	OA- Factors	4.OA.4	Reduce Fractions		
31	Reduce Fractions			Multiply Fractions	NF- Multiply/ divide	5.NF.4
32	Multiply Fractions	NF- Build fractions	4.NF.4	Add Frac Same Denom	NF-Add/subt equivalent	5.NF.2
33	Add Fractions Same Den	NF- Build fractions	5.NF.2	Add Frac Diff Denom	NF-Add/subt equivalent	5.NF.2
34	Add Fractions Diff Denom			Compare Fractions	NF- Multiply/ divide	4.NF.1
35	Compare Fractions	NF-Frac equivalence	4.NF.1	Fractions Word Problems	NF-Add/subt equivalent NF- Multiply/ divide	5.NF.2, 3, 6
36	Fractions Word Problems	NF- Build fractions MD- Convert measure	5.NF.2; 5.MD.1	Decimal Basics	NBT- place value	5.NBT.3
37	Decimal Basics			Decimal Place Value	NBT- place value	5.NBT.3, 4
38	Decimal Place Value	NF-Frac/ decimal	4.NF.7	Compare Decimals	NBT- place value	5.NBT.3
39	Compare Decimals	NF-Frac/ decimal	4.NF.7	Add Decimals	NBT-Operations to hundreds	5.NBT.7
40	Patterns	OA-Patterns	4.OA.5	Multiply Decimals	NBT-Operations to hundreds	5.NBT.7
41	Expressions			Percent Convert		
42	Variables			Percent Problems		
43	Measure Length			Compare Fractions Dec		
44	Measurement			Patterns		
45	Conversions	MD- Convert measure	5.MD.1	Algebra Basics		
46	Money Word Problems	MD- Convert measure	5.MD.1	Translate Words Algebra	OA- Write expressions	5.OA.1
47	Mean, Median, Mode			Order of Operations	OA- Write expressions	5.OA.1
48	Charts Graphs			Coordinate Graphs	G- Graph points	5.G.1
49	Table Graphs			Measurement		
50	Coordinate Graphs			Conversions	MD- Convert measure	5.MD.1
51	Shapes			Money Word Problems		
52	Sort & Classify			Mean, Median, Mode		
53	Perimeter Area Volume	MD- Convert measure	5.MD.1	Area 5	NF- Multiply/ divide	5.NF.5
54	Lines	G-Lines, angles	4.G.1	Volume Prism 5	MD- Volume	5.MD.4, 5
55	Angles Basics	MD-Angles	4.G.1; 4.MD.5, 6, 7	Angles Lines		
56	Angle Measure	MD-Angles	5.MD.1	Angle Measure		
57	Triangles			Triangles	G- Classify figures	5.G.3
58	Geometry Word Problems			Polygons	G- Classify figures	5.G.3
59	Symmetry Transforms			Symmetry Transforms		
60	Final Challenge			Final Challenge		



Math Upgrade Lesson List

#	Math Grade 6	CCRS Level C	TABE Level M	CCRS Level D	TABE Level D
1	Place Value				
2	Negative Numbers			NS- Rational numbers	6.NS.5
3	Rational Numbers			NS- Rational numbers	6.NS.6
4	Number Line			NS- Rational numbers	6.NS.6
5	Fractions Number Line			NS- Rational numbers	6.NS.6
6	Coordinate Graphs			NS- Rational numbers	6.NS.8
7	Graph Inequalities	EE- 1 variable eq, inequality	6.EE.8	NS- Rational numbers	
8	Absolute Value			NS- Rational numbers	6.NS.7, 8
9	Signed Addition				
10	Signed Multiplication				
11	Long Division	NS- Factors	6.NS.2		
12	Factors & Multiples	NS- Factors	6.NS.4		
13	Reduce Fractions	NS- Factors	6.NS.1		
14	Fraction Addition	NS- Factors	5.NF.2		
15	Fraction Multiplication	NS- Mult/div fractions	5.NF.4		
16	Divide Fractions Problems	NS- Mult/div fractions	5.NF.7, 6.NS.1		
17	Decimal Place Value				
18	Decimal Addition	NS- Factors	5.NBT.7		
19	Decimal Multiplication	NS- Factors	5.NBT.7		
20	Compare Frac Decimals				
21	Exponent Basics	EE-Algebraic expressions	6.EE.2		
22	Algebra Terms Language	EE-Algebraic expressions	6.EE.2		
23	Translate Words Algebra	EE-Algebraic expressions EE- 1 variable eq, inequality	6.EE.2, 9		
24	Algebra Basics				
25	Order of Operations				
26	Multiply Variables				
27	Add Like Terms	EE-Algebraic expressions	6.EE.3		
28	Distributive Property	EE-Algebraic expressions	6.EE.3		
29	Commutative Associative	EE-Algebraic expressions	6.EE.3		
30	Equivalent Expressions	EE-Algebraic expressions	6.EE.3, 4		
31	Equation True	EE- 1 variable eq, inequality	6.EE.5		
32	Solve 1-Step Equations	EE- 1 variable eq, inequality	6.EE.6		
33	Word Problems	EE- 1 variable eq, inequality EE- Dep, variables	6.EE.6, 7		
34	Ratios & Proportions	RP- Ratio concepts	6.RP.2		
35	Relations Tables Graphs	EE- Dep, variables	6.EE.9	NS-Solve ratios	6.RP.3
36	Unit Rate Problems			NS-Solve ratios	6.RP.3
37	Percent Convert			NS-Solve ratios	7.RP.3
38	Percent Problems			NS-Solve ratios	7.RP.3
39	Conversions			NS-Solve ratios	7.RP.2
40	Angles & Lines				
41	Triangles				
42	Polygons				
43	Polygon Areas	G- Area, volume	6.G.4		
44	Symmetry & Transforms				
45	Solids				
46	Volume Prism 5				
47	Volume Prism 6A				
48	Volume Prism 6B				
49	Draw Polygons Coord Plane	G- Area, volume	6.G.4	NS- Rational numbers	6.NS.8
50	Nets Surface Area	G- Area, volume	6.G.4		
51	Statistics Basics	SP-Statistical variability	6.SP.1	SP- Summarize distributions	6.SP.5
52	Charts Graphs				
53	Distribution	SP-Statistical variability, summarize distributions	6.SP.2, 4		
54	Mean Median & Mode	SP-Statistical variability	6.SP.2		
55	Histograms	SP- summarize distributions	6.SP.4		
56	Box & Whisker	SP-summarize distributions	6.SP.4		
57	Variation MAD	SP-Statistical variability	6.SP.2		
58	Summarize Data				
59	Performance Prob 6C				
60	Final Challenge				



Math Upgrade Lesson List

#	Math Grade 7	CCRS Level D	TABE Level D	Math Grade 8	CCRS Level D	TABE Level D
1	Numbers			Rational Numbers		
2	Negative Numbers	NS-Compute rational #	7.NS.1	Irrational Numbers	NS-Non-rational	8.NS.2
3	Number Line			Square Roots	NS-Non-rational EE- Radicals, exponents	8.NS.2 8.EE.2
4	Fractions Number Line			Exponent Basics	EE- Radicals, exponents	8.EE.1
5	Absolute Value			Exponent Rules	EE- Radicals, exponents	8.EE.1
6	Signed Addition	NS-Compute rational #	7.NS.1	Square Root Equations	EE- Radicals, exponents	8.EE.2
7	Rational Add Sub	NS-Compute rational #	7.NS.1	Scientific Notation	EE- Radicals, exponents	8.EE.3
8	Signed Multiplication	NS-Compute rational #	7.NS.2	Scientific Operations	EE- Radicals, exponents	8.EE.3
9	Rational Mult Divide	NS-Compute rational #	7.NS.2	Scientific Comparison	EE- Radicals, exponents	8.EE.3
10	Compare Frac Decimals	NS-Compute rational #		Coordinate Graphs		
11	Divide Fractions Problems	NS-Compute rational #	7.NS.2	Relations Tables Graphs		
12	Rational Word Problems	NS-Compute rational #	7.NS.2	Translate Words Algebra		
13	Rational Claims			Solve 1-Step Equations		
14	Algebra Terms Language			Solve Equation	EE- Linear equation	8.EE.8
15	Translate Words Algebra			Equation Solutions	EE- Linear equation	8.EE.8
16	Order of Operations			Linear Equations	F-Compare functions	8.F.3
17	Multiply Variables			Graph by Intercepts		
18	Add Like Terms			Points on a Line	F-Compare functions	8.F.3
19	Distributive Property			Line Graphs	F-Compare functions	8.F.3
20	Commutative Associative			Slope of a Line		
21	Expressions Rational Coeff	EE-Operations	7.EE.2	Slope Intercept Form	F-Model relationship	8.F.4
22	Rewrite Expressions	EE-Operations	7.EE.2	Parallel Perpendicular	EE-Proportions	
23	Fraction Word Problems	EE- Word problems	7.EE.3	Point Slope Equation		
24	Multi-Step Rational Probs	EE- Word problems	7.EE.3	Ratios & Proportions		
25	Solve 1-Step Equations			Unit Rates 7		
26	Solves Equations	EE- Word problems	7.EE.3	Constant Proportionality		
27	Rate	EE- Word problems	7.EE.3	Proportion graphs		
28	Linear Word Problems	EE- Word problems	7.EE.4	Slope Unit Rate	EE-Proportions	8.EE.5
29	Solve Inequalities	EE- Word problems	7.EE.4	Proportion Word Probs	EE-Proportions	8.EE.5
30	Graph Inequalities	EE- Word problems		Rate Problems		
31	Inequalities Word Probs	EE- Word problems	7.EE.4	Graphing Calculators	EE-Proportions	
32	Unit Rate Problems			Solve Systems Graphing	EE- Linear equation	8.EE.8
33	Unit Rates 7	NS- Proportions	7.RP.1	Systems Substitution	EE- Linear equation	8.EE.8
34	Relations Tables Graphs	NS- Proportions	7.RP.1	Systems Problems	EE- Linear equation	8.EE.8
35	Constant Proportionality	NS- Proportions	7.RP.2	Functions & Relations	F-Compare functions	8.F.5
36	Ratios & Proportions	NS- Proportions	7.RP.2	Function Notation	F-Compare functions	8.F.5
37	Proportion graphs	NS- Proportions	7.RP.2	Compare Functions		
38	Percent Problems	NS- Proportions	7.RP.3	Non-Linear Graphs	F-Compare functions F-Model relationship	8.F.3 8.F.5
39	Proportion Word Probs	NS- Proportions	7.RP.3	Model Linear Functions	F-Model relationship	8.F.4
40	Triangles			Angles & Lines		
41	Polygons			Triangles		
42	Scale Drawings	G-Scale drawings	7.G.1	Polygons		
43	Draw Shapes			Scale Drawings		
44	Slice 3D Figures			Symmetry & Transforms		
45	Circles	G-Area, angle, volume	7.G.4	Symmetry Lab		
46	Angles & Lines	G-Area, angle, volume	7.G.5	Congruent Figures	G-Congruence	8.G.2
47	Solids	G-Area, angle, volume	7.G.6	Coordinate Symmetry		
48	Distribution			Similar Figures	G-Congruence	8.G.4
49	Summarize Data			Triangle Arguments	G-Congruence	
50	Sample Populations	SP-Random sampling	7.SP.2	Pythagorean Proof		
51	Sample Inferences	SP-Random sampling	7.SP.2	Pythagorean	G-Pythagorean Th.	8.G.7
52	Distribution Overlap	SP-Comparative infer	7.SP.4	Pythagorean Distance	G-Pythagorean Th.	8.G.8
53	Distribution Inferences	SP-Comparative infer	7.SP.4	Solid Figures		
54	Probability Basics	SP-Probability	7.SP.5	Scatterplots	SP-Bivariate data	8.SP.1
55	Probability Data	SP-Probability	7.SP.5	Scatterplots Create	SP-Bivariate data	8.SP.1
56	Probability Model Uniform	SP-Probability	7.SP.7	Linear Fit	SP-Bivariate data	8.SP.2
57	Probability Model Non	SP-Probability	7.SP.7	Linear Model Problems	SP-Bivariate data	8.SP.3
58	Independent Events	SP-Probability	7.SP.8	Two-Way Tables	SP-Bivariate data	8.SP.4
59	Table Grids Tree Diagrams	SP-Probability	7.SP.8	Performance 8		
60	Final Challenge			Final Challenge		



Math Upgrade Lesson List

#	Math Grade 7	CCRS Level E	TABE Level A	Math Grade 8	CCRS Level E	TABE Level A
1	Numbers			Rational Numbers		
2	Negative Numbers			Irrational Numbers		
3	Number Line			Square Roots	NQ-Rational exponents	N.RN.2
4	Fractions Number Line			Exponent Basics		
5	Absolute Value			Exponent Rules		
6	Signed Addition			Square Root Equations		
7	Rational Add Sub			Scientific Notation		
8	Signed Multiplication			Scientific Operations		
9	Rational Mult Divide			Scientific Comparison		
10	Compare Frac Decimals			Coordinate Graphs		
11	Divide Fractions Problems			Relations Tables Graphs	FIF-Represent Functions FLE-Linear models, interpret expressions	F.IF.4 F.LE.1c
12	Rational Word Problems			Translate Words Algebra		
13	Rational Claims			Solve 1-Step Equations		
14	Algebra Terms Language	ASSE-Expression Structure	A.SSE.1a	Solve Equation		
15	Translate Words Algebra			Equation Solutions		
16	Order of Operations	ASSE-Expression Structure	A.SSE.1a	Linear Equations		
17	Multiply Variables			Graph by Intercepts		
18	Add Like Terms	ASSE-Expression Structure	A.SSE.1a	Points on a Line		
19	Distributive Property	ASSE-Expression Structure	A.SSE.1a	Line Graphs		
20	Commutative Associative	ASSE-Expression Structure	A.SSE.1a	Slope of a Line		
21	Expressions Rational Coeff	ASSE-Expression Structure	A.SSE.1a	Slope Intercept Form		
22	Rewrite Expressions	ASSE- Write expressions	A.SSE.2, 3a	Parallel Perpendicular		
23	Fraction Word Problems			Point Slope Equation		
24	Multi-Step Rational Probs			Ratios & Proportions		
25	Solve 1-Step Equations			Unit Rates 7		
26	Solves Equations			Constant Proportionality		
27	Rate			Proportion graphs		
28	Linear Word Problems			Slope Unit Rate	NQ-Quantitative reason	N.Q.1
29	Solve Inequalities	AREI- Equations, inequal	A.CED.1,A.REI.3	Proportion Word Probs		
30	Graph Inequalities	AREI-Graph equations		Rate Problems		
31	Inequalities Word Probs	AREI- Equations, inequal	A.REI.3	Graphing Calculators		
32	Unit Rate Problems			Solve Systems Graphing		
33	Unit Rates 7	NQ-Quantitative reason	N.Q.1	Systems Substitution	AREI- Systems equations	A.REI.6
34	Relations Tables Graphs			Systems Problems	AREI- Systems equations	A.REI.6
35	Constant Proportionality			Functions & Relations		F.IF.2
36	Ratios & Proportions			Function Notation	FIF-Function notation	F.IF.1
37	Proportion graphs			Compare Functions		F.IF.9
38	Percent Problems			Non-Linear Graphs		
39	Proportion Word Probs			Model Linear Functions	ACED- Create equations FBF-Build functions	A.CED.3 F.BF.1, F.LE.5
40	Triangles			Angles & Lines		
41	Polygons			Triangles		
42	Scale Drawings			Polygons		
43	Draw Shapes			Scale Drawings		
44	Slice 3D Figures			Symmetry & Transforms	GCO-Transformations	G.SRT.5
45	Circles			Symmetry Lab	GCO-Transformations	G.SRT.5
46	Angles & Lines			Congruent Figures	GCO-Transformations	G.CO.1,G.SRT.5
47	Solids			Coordinate Symmetry	GCO-Transformations	
48	Distribution	SID-Variable count	S.ID.3	Similar Figures		
49	Summarize Data	SID-Variable count	S.ID.3	Triangle Arguments		
50	Sample Populations			Pythagorean Proof		
51	Sample Inferences			Pythagorean		
52	Distribution Overlap			Pythagorean Distance		
53	Distribution Inferences			Solid Figures	GGMD-Volume	G.GMD.3
54	Probability Basics			Scatterplots	SID-Two variables	S.ID.1
55	Probability Data			Scatterplots Create	SID-Two variables	S.ID.1
56	Probability Model Uniform			Linear Fit	SID-Linear models	S.ID.7
57	Probability Model Non			Linear Model Problems	SID-Linear models	S.ID.7
58	Independent Events			Two-Way Tables	SID-Two variables	S.ID.5
59	Table Grids Tree Diagrams			Performance 8	AREI-Explain reasoning	A.REI.1
60	Final Challenge			Final Challenge		



Math Upgrade Lesson List

#	Algebra	CCRS Level E	TABE Level A
1	Algebra Terms Language	ASSE-Expression Structure	A.SSE.1a
2	Multiply Variables		
3	Exponent Rules	NQ-Rational exponents	N.RN.2
4	Add Like Terms	ASSE-Expression Structure	A.SSE.1a
5	Distributive Property	ASSE-Expression Structure	A.SSE.1a
6	Commutative Associative	ASSE-Expression Structure	A.SSE.1a
7	Order of Operations	ASSE-Expression Structure	A.SSE.1a
8	Numbers		
9	Coordinate Graphs		
10	Relationships Tables Graphs	FIF-Represent Functions	F.IF.4
11	Translate Words to Algebra	ACED- Create equations	A.CED.1
12	Solve Equation	ASSE- Write expressions; AREI- Equations, inequalities	A.CED.1, A.REI.3
13	Linear Equations	ACED- Create equations; FLE-Interpret expressions	A.CED.2, F.LE.5
14	Graph by Intercepts	AREI-Graph equations	A.REI.10
15	Points on a Line		
16	Slope of a Line	AREI-Graph equations	A.REI.10
17	Slope Intercept Form		
18	Reciprocal Inverse		
19	Parallel Perpendicular		
20	Point Slope Equation		
21	Graphing Calculators		
22	Solve Inequalities		
23	Compound Inequalities		
24	Graph Inequalities	AREI-Graph equations	
25	Absolute Equations		
26	Rate Problems	NQ-Quantitative reason	N.Q.1
27	Functions & Relations		F.IF.2
28	Function Notation	FIF-Function notation	F.IF.1
29	Domain Range		F.IF.1
30	Solve Systems Graphing	AREI- Systems equations	A.REI.6
31	Systems Substitution	AREI- Systems equations	A.REI.6
32	Systems Add Eliminate	AREI- Systems equations	A.REI.6
33	Polynomial Basics	AAPR-Operations on polynomials	A.APR.1
34	Combine Like Terms		
35	Add Polynomials	AAPR-Operations on polynomials	A.APR.1
36	Subtract Polynomials	AAPR-Operations on polynomials	A.APR.1
37	Multiply Monomials	AAPR-Operations on polynomials	A.APR.1
38	Divide Monomials	AAPR-Operations on polynomials	
39	Distribute Monomials		
40	FOIL		
41	Factoring GCF		
42	Trinomial Factor 1		
43	Trinomial Factor 2		
44	Trinomial Factor 3		
45	Factor Perfect Square		
46	Factor Difference Squares		
47	Rational Expressions	AAPR-Rewrite expressions	A.SSE.2
48	Rational Multiply Add	AAPR-Rewrite expressions	A.APR.1
49	Quadratic Graphing	FLE-Linear models	
50	Quadratic Factoring	FLE-Linear models	
51	Quadratic Square Root	FLE-Linear models	
52	Quadratic Complete Square	FLE-Linear models	
53	Quadratic Formula	FLE-Linear models	
54	Quadratic Word Problems	FIF-Interpret functions, FBF-Build, FLE-Linear models	F.IF.8b, F.BF.1, F.LE.1c
55	Radical Expressions	NQ-Rational exponents	
56	Radical Equations		
57	Exponential Functions	FLE-Linear models; FLE- Interpret expressions	F.LE.1c, F.LE.5
58	Mixture Ratio Problems		
59	Logic Validity	AREI-Explain reasoning	A.REI.1
60	Final Challenge		