



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

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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	