

MIG Supplement-Grade 5

enVision MATH California alignment with Common Core State Standards

This supplement is provided to help with planning as you implement California’s Common Core State Standards with enVisionMATH CA 2009. This supplemental guide indicates the Common Core State Standards for Mathematical Content that each lesson addresses. Included are also references to off-grade level standards (such as standards that are now considered content from previous grade levels or future grade levels.) These references will help you become familiar with the content shifts of California’s Common Core.

Additional lessons, which are referenced by a capital letter after the number, offer in-depth coverage of certain standards. These additional lessons and the lessons in enVisionMATH 2009 provide coverage of California’s Common Core Standards for grade 5 and can be found by following these steps:

- a. Log on to PearsonSuccessNet.com
- b. Click on “Other Resources” in the 2009 enVision MATH CA version (do not click enVision MATH Common Core)
- c. Click on “Teacher Resources.”
- d. Click on “Transitioning to the CA Common Core State Standards”
- e. Click on “Teacher Edition-English”

In some instances, you may find that the lesson refers to “transition student pages.” These can be found by following these steps:

- a. Log on to PearsonSuccessNet.com
- b. Click on “Other Resources” in the 2009 enVision MATH CA version (do not click enVision MATH Common Core)
- c. Click on “Teacher Resources.”
- d. Click on “Transitioning to the CA Common Core State Standards”
- e. Click on “Student Lessons-English”

✓ Content which meets
Common Core State Standards
for Grade 5

Content from Previous Grade Levels

Content for Future Grade Levels



TOPIC 1	NUMERATION		COMMON CORE STATE STANDARDS
1-1	Place Value	✓	5.NBT.1
1-2	Comparing and Ordering Whole Numbers	✓	5.NBT.1, 5.NBT.3b
1-3	Decimal Place Value	✓	5.NBT.1, 5.NBT.3a
1-4	Comparing and Ordering Decimals	✓	5.NBT.1, 5.NBT.3b
1-5	Problem Solving: Look for a Pattern	✓	5.NBT.1, 5.NBT.3a, 5.NBT.3.b

TOPIC 2	ADDITION AND SUBTRACTION NUMBER SENSE		COMMON CORE STATE STANDARDS
2-1	Mental Math		Reviews 4.OA.3
2-2	Rounding Whole Numbers and Decimals	✓	5.NBT.4
2-3	Estimating Sums and Differences	✓	5.NBT.4, 5.NBT.7
2-4	Adding and Subtracting		Reviews 4.OA.3, 4.NBT.4
2-5	Adding Decimals	✓	5.NBT.7
2-6	Subtracting Decimals	✓	5.NBT.7
2-7	Problem Solving: Draw a Picture and Write an Equation		Reviews 4.OA.3, 4.NBT.4

TOPIC 3	REVIEWING MULTIPLICATION OF WHOLE NUMBERS		COMMON CORE STATE STANDARDS
3-1	Multiplication Properties	✓	5.NBT.6
3-2	Estimating Products	✓	5.NBT.2
3-3	Multiplying by 1-Digit Numbers	✓	5.NBT.5
3-4	Multiplying by 2-Digit Numbers	✓	5.NBT.5
3-5	Estimating and Multiplying with Greater Numbers	✓	5.NBT.5
3-6	Exponents	✓	5.NBT.2
3-7	Problem Solving: Multiple-Step Problems	✓	5.NBT.7

TOPIC 4	DIVISION OF WHOLE NUMBERS		COMMON CORE STATE STANDARDS
4-1	Using Patterns to Divide	✓	5.NBT.6
4-2	Estimating Quotients	✓	5.NBT.6
4-3	Connecting Models and Symbols	✓	5.NBT.6
4-4	Dividing by 1-Digit Divisors	✓	5.NBT.6
4-5	Zeros in the Quotient	✓	5.NBT.6
4-6	Dividing by 2-Digit Divisors	✓	5.NBT.6
4-7	More Dividing by 2-Digit Divisors	✓	5.NBT.6
4-8	Estimating and Dividing with Greater Numbers	✓	5.NBT.6
4-9	Problem Solving: Draw a Picture and Write an Equation	✓	5.NBT.6

TOPIC 5	VARIABLES AND EXPRESSIONS		COMMON CORE STATE STANDARDS
5-1	Variables and Expressions	✓	5.OA.2
5-2	Patterns and Expressions	✓	5.OA.1
5-3	More Patterns and Expressions	✓	5.OA.1, 5.OA.2
5-4A	Patterns: Extending Tables (Use Transition Student Edition pages 2-3)	✓	5.OA.3
5-4	Distributive Property	✓	5.OA.1
5-5	Order of Operations	✓	5.OA.1
5-6	Problem Solving: Act It Out and Use Reasoning	✓	5.OA.1

TOPIC 6	MULTIPLYING DECIMALS		COMMON CORE STATE STANDARDS
6-1	Multiplying Decimals by 10, 100, or 1,000 (Replace with lesson 6-2A)		
6-2A	Multiplying Decimals by 10, 100, or 1,000 (Use transition student edition pages 4-5)	✓	5.NBT.1, 5.NBT.2, 5.NBT.7
6-2	Multiplying a Whole Number and a Decimal	✓	5.NBT.7
6-3	Estimating the Product of a Whole Number and a Decimal	✓	5.NBT.7
6-4	Multiplying Two Decimals	✓	5.NBT.7
6-5	Multiplying with Zeros in the Product	✓	5.NBT.7
6-6	Problem-Solving: Reasonableness	✓	5.NBT.7

TOPIC 7	DIVIDING DECIMALS		COMMON CORE STATE STANDARDS
7-1	Dividing Decimals by 10, 100, or 1,000	✓	

	(Replace with lesson 7-2A)		
7-2A	Dividing Decimals by 10, 100, or 1,000 (Use transition student edition pages 6-7)	✓	5.NBT.1, 5.NBT.2, 5.NBT.7
7-2	Dividing a Decimal by a Whole Number	✓	5.NBT.7
7-3	Estimation: Decimals Divided by Whole Numbers	✓	5.NBT.7
7-4	Dividing a Decimal by a Decimal	✓	5.NBT.7
7-5	Problem Solving: Multiple-Step Problems	✓	5.NBT.7




TOPIC 8	SHAPES		COMMON CORE STATE STANDARDS
8-1	Basic Geometric Ideas	←	Reviews 4.G.1
8-2	Measuring and Classifying Angles	←	Reviews 4.MD.6 and 4.G.1
8-3	Polygons	✓	5.G.3, 5.G.4
8-4	Triangles	✓	5.G.3, 5.G.4, 5.G.5
8-5	Quadrilaterals	✓	5.G.3, 5.G.3.1, 5.G.4, 5.G.5
8-6	Problem Solving: Make and Test Generalizations	✓	5.G.3, 5.G.3.1

TOPIC 9	FACTORS AND MULTIPLES		COMMON CORE STATE STANDARDS
9-1	Understands Factors	←	Reviews 4.OA.4
9-2	Prime and Composite Numbers	←	Reviews 4.OA.4
9-3	Finding Prime Factors (Use in topic 10)		
9-4	Common Factors and Greatest Common Factor (Use in topic 10)		
9-5	Problem Solving: Try, Check, and Revise	→	

CA Topics 10 & 11 will be replaced by CCSS enVision Topics 9 & 10, with new booklets and student materials to arrive at school sites the beginning of November, 2013.

In addition: CCSS Concept Lesson “Snackers Bar” can be included. The concept lesson will be found at: <http://math.lausd.net>, click on PK-12 Professional Development, click on Elementary, click on “Snackers Bar” concept lesson.

TOPIC 10	FRACTIONS, MIXED NUMBERS, and DECIMALS		COMMON CORE STATE STANDARDS
10-1	Meanings of Fractions	←	Reviews 3.NF.1, 3.NF.2
10-2	Fractions and Division	✓	5.NF.3
10-3	Mixed Numbers and Improper Fractions	✓	5.NF.1, 5.NF.2

10-4A	Fractions, Mixed Numbers, and Decimals as Quotients (Use transition student edition pages 8-9.)	✓	5.NF.3
10-4	Equivalent Fractions	✓	5.NF.1
10-5	Comparing and Ordering Fractions and Mixed Numbers		Reviews 4.NF.2
9-3	Finding Prime Factors (Use lesson 9-3 from Topic 9)	✓	5.OA.2.1
9-4	Common Factors and Greatest Common Factor (Use lesson 9-4 from Topic 9)	✓	5.OA.2.1
10-6	Fractions in Simplest Form	✓	5.NF.1, 5.NF.2
10-7	Tenths and Hundredths		Reviews 4.NF.6
10-8	Thousandths	✓	5.NBT.3a
10-9	Fractions and Decimals on the Number Line		Reviews 4.NF.6
10-10	Problem Solving: Writing to Explain	✓	5.NF.2

TOPIC 11	ADDING AND SUBTRACTING FRACTIONS AND MIXED NUMBERS		COMMON CORE STATE STANDARDS
11-1A	Estimating Sums and Differences of Fractions (Use transition student edition pages 10-11)	✓	5.NF.2
11-1	Adding and Subtracting Fractions with Like Denominators	✓	5.NF.1, 5.NF.2
11-2	Common Multiples and LCM	✓	5.NF.1, 5.NF.2
11-3	Adding Fractions with Unlike Denominators	✓	5.NF.1, 5.NF.2
11-4	Subtracting Fractions with Unlike Denominators	✓	5.NF.1, 5.NF.2
11-5	Adding Mixed Numbers	✓	5.NF.1, 5.NF.2
11-6	Subtracting Mixed Numbers	✓	5.NF.1, 5.NF.2
11-7	Problem Solving: Look for a Pattern	✓	5.OA.3








TOPIC 12	MULTIPLYING AND DIVIDING FRACTIONS AND MIXED NUMBERS		COMMON CORE STATE STANDARDS
12-1	Multiplying Fractions and Whole Numbers	✓	5.NF.4a
12-2A	Estimating Products (Use transition student edition pages 12-13)	✓	5.NF.5.a, 5.NF.5b
12-2	Multiplying Two Fractions	✓	5.NF.4.a
12-3A	Area Models	✓	5.NF.4.b







	(Use transition student edition pages 14-15)		
12-3B	Multiplication as Scaling (Use transition student edition pages 16-17)	✓	5.NF.5.a, 5.NF.5b
12-3	Dividing a Whole Number by a Fraction	✓	5.NF.7.b, 5.NF.7c
12-4A	Dividing Unit Fractions by Non-Zero Whole Numbers (Use transition student edition pages 18-19)	✓	5.NF.7a, 5.NF.7.c
12-4	Dividing Two Fractions	←	Prepares for 6.NS.1
12-5	Problem Solving: Missing or Extra Information	✓	5.NF.1, 5.NF.4.a
12-6	Multiplying Mixed Numbers	✓	5.NF.4.a, 5.NF.6
12-7	Dividing Mixed Numbers	→	Prepares for 6.NS.1
12-8	Problem Solving: Draw a Picture and Write an Equation (Replace with lesson 12-9A)		
12-9A	Problem Solving: Draw a Picture and Write an Equation (Use transition student edition pages 20-21)	✓	5.NF.6, 5.NF.7.a






TOPIC 13	LENGTH, PERIMETER, AND AREA		COMMON CORE STATE STANDARDS
13-1	Using Customary Units of Length	←	
13-2A	Converting Customary Units of Length (Use transition student edition pages 22-23)	✓	5.MD.1
13-2	Using Metric Units of Length	←	
13-3A	Converting Metric Units of Length	✓	5.MD.1
13-3	Perimeter	←	Reviews 3.MD.8, 4.MD.3
13-4	Area of Squares and Rectangles	✓	5.G.6
13-5	Area of Parallelograms	✓	5.G.6
13-6	Area of Triangles	✓	5.G.6
13-7	Problem Solving: Draw a Picture and Make an Organized List	←	Reviews 4.MD.3

TOPIC 14	SOLIDS		COMMON CORE STATE STANDARDS
14-1	Solids	✓	5.MD.3.a
14-2	Relating Shapes and Solids	→	Prepares for 6.G.4
14-3	Surface Area	→	Prepares for 6.G.4
14-4	Views of Solids	→	Prepares for 6.G.4
14-5	Models and Volume	✓	5.MD.3.a, 5.MD.3.b, 5.MD.4, 5.MD.5a

14-6	Volume	✓	5.MD.3.b, 5.MD.5.a, 5.MD.5.b
14-7A	Combining Volumes (Use transition student edition pages 26-27)	✓	5.MD.5.b, 5.MD.5.c
14-7	Problem Solving: Use Objects and Solve a Simpler Problem	✓	5.MD.5.a

TOPIC 15	Integers		COMMON CORE STATE STANDARDS
15-1	Understanding Integers		Prepares for 6.NS.6.a, 6.NS.6.c
15-2	Comparing and Ordering Integers		Prepares for 6.NS.7.a, 6.NS.7.b
15-3	Integers and the Number Line		Prepares for 6.NS.6.c
15-4	Adding Integers		Prepares for 6.NS.7.1.a, 6.NS.7.1.d
15-5	Subtracting Integers		Prepares for 6.NS.7.1.a, 6.NS.7.1.c, 6.NS.7.1.d
15-6	Simplifying Expressions		Prepares for 6.EE.2, 6.EE.3, 6.EE.4
15-7	Problem Solving: Work Backward		

TOPIC 16	SOLVING AND WRITING EQUATIONS		COMMON CORE STATE STANDARDS
16-1	Solving Addition and Subtraction Equations		Prepares for 6.EE.6, 6.EE.7
16-2	Solving Multiplication and Division Equations		Prepares for 6.EE.6, 6.EE.7
16-3	Problem Solving: Use Reasoning		
16-4	Patterns and Equations		Prepares for 6.EE.7
16-5	More Patterns and Equations		Prepares for 6.EE.4, 6.EE.7
16-6	Problem Solving: Draw a Picture and Write an Equation		Prepares for 6.EE.7

TOPIC 17	PERCENT		COMMON CORE STATE STANDARDS
17-1	Understanding Ratios		Prepares for 6.RP.1, 6.RP.3.a
17-2	Understanding Percent		Prepares for 6.RP.3, 6.RP.3.c
17-3	Percents, Fractions, and Decimals		Prepares for 6.RP.3
17-4	Finding Percent of a Whole Number		Prepares for 6.RP.3.c
17-5	Problem Solving: Make a Table and Look for a Pattern		Prepares for 6.RP.3.a

TOPIC 18	EQUATIONS AND GRAPHS		COMMON CORE STATE STANDARDS
18-1	Ordered Pairs	✓	5.OA.3, 5.G.1, 5.G.2
18-2	Line Graphs	✓	5.OA.3, 5.G.1, 5.G.2
18-3A	Patterns and Graphing (Use transition student edition pages 28-29)	✓	5.OA.3
18-3	Graphing Equations	✓	5.G.1, 5.G.2
18-4	Problem Solving: Work Backward	✓	5.G.1, 5.G.2

TOPIC 19	GRAPHS AND DATA		COMMON CORE STATE STANDARDS
19-1A	Line Plots (Use transition student edition pages 30-31)	✓	5.MD.2
19-1B	Data from Surveys (Use transition student edition pages 32-33)	✓	5.MD.2
19-1C	Making Line Plots (Use transition student edition pages 34-35)	✓	5.MD.2
19-1D	Problem Solving: Draw a Picture (Use transition student edition pages 36-37)	✓	5.MD.2
19-1	Bar Graphs and Picture Graphs	←	Reviews 3.MD.3
19-2	Histograms	→	Prepares for 6.SP.4, 6.SP.5.a
19-3	Circle Graphs	→	
19-4	Make a Graph	→	Prepares for 6.SP.4, 6.SP.5.a
19-5	Mean	→	Prepares for 6.SP.3, 6.SP.5.c
19-6	Median, Mode, and Range	→	Prepares for 6.SP.5.c
19-7	Outcomes	→	Prepares for 7.SP.8.b
19-8	Writing Probability as a Fraction	→	Prepares for 7.SP.5
19-9	Problem Solving: Solve a Simpler Problem	→	Prepares for 7.SP.8b

TOPIC 20	CONSTRUCTIONS		COMMON CORE STATE STANDARDS
20-1	Constructing Angles	→	Prepares for 7.G.2
20-2	Constructing Lines	→	Prepares for 7.G.2
20-3	Constructing Shapes	→	Prepares for 7.G.2
20-4	Problem Solving: Use Objects	→	