

Alum Rock Union Elementary School District (ARUSED) 2008-2009

Suggested Pacing Guide for Sixth Grade

Chapter Sequence: 2,3,1,4,5,6,7,8,10,11,9

Text: Prentice Hall Mathematics-California Grade 6 Math

Time/ # of Days	Topics: Content and Assessment	CA Content Standards
17 Days	Chapter 2 Exponents, Factors, and Fractions	
3	Course Introduction: Preliminary Class Activities	
2	2.1 Exponents and Order of Operations	AF 1.3 AF 1.4
2	2.2 Prime Factorization	NS 2.4 MR 2.5
2	2.3 Simplifying Fractions	NS 2.4
1	2.4 Comparing and Ordering Fractions	NS 1.0 NS1.1
2	2.5 Mixed Numbers and Improper Fractions	NS 1.1 MR 3.3
2	2.6 Fractions and Decimals	NS 1.0 NS 1.1
1	2.7 Rational Numbers	NS 1.0; NS 1.1
2	Chapter 2 Review & Test	
	Cumulative Days 17	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
14 Days	Chapter 3 Operations with Fractions	
2	3.1 Estimating with Fractions and Mixed Numbers	NS 2.0
2	3.4 Multiplying with Fractions	NS 2.1 NS 2.2 MR 1.3
2	3.5 Dividing Fractions and Mixed Numbers	NS 2.1 NS 2.2 MR1.0
2	3.2 Adding and Subtracting Fractions	NS 2.1 NS 2.4 MR 2.1
2	3.3 Adding and Subtracting Mixed Numbers	NS 2.0 NS 2.4
2	3.6 Changing Units in the Customary Systems	AF 2.1 MR 1.1
2	Chapter 3 Review & Test	
	Cumulative Days : 31	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
20 days	Chapter 1: Decimals and Integers	
1	1.1 Using Estimation Strategies	AF 2.3
2	1.2 Adding and Subtracting Decimals	AF 1.3
2	1.3 Multiplying and Dividing Decimals	AF 1.3 MR 1.1, MR 2.1 MR 2.4, MR 2.5
2	1.5 Comparing and Ordering Integers STAR	NS 1.1
2	1.6 Adding and Subtracting Integers	NS.2.0; NS 2.3: AF 2.3
1	BENCHMARK TEST- First 40 DAYS	
2	1.4 Measuring in Metric Units	AF 2.1; MR 1.0
2	1.7 Multiplying and Dividing Integers	NS 2.0; NS 2.3: AF 2.3
2	1.8 Order of Operations and Distributive Property	NS 2.3.AF 1.3 AF 1.4,MR 1.3 MR 2.0
2	1.9 Mean, Median, Mode, and Range	SDAP 1.0 SDAP 1.1 SDAP 1.3
2	Chapter 1 Review & Test	
	Cumulative Days: 51	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
10 Days	Chapter 4 Equations	
2	4.1 Evaluating and Writing Algebraic Expressions	AF 1.0; AF 1.2 MR 2.2
1	4.2 Using Number Sense to Solve Equations	AF 1.1
2	4.3 Solving Equations by Adding	AF 1.1; AF 1.0 MR 2.4
1	4.4 Solving Equation by Subtracting	AF 1.1 NR 3.0
1	4.5 Solving Equations by Multiplying	AF 1.1 AF 2.3 MR 2.7
1	4.6 Solving Equations by Dividing	AF 1.0 AF1.1 MR 2.3
2	Chapter 4 Review & Test	
	Cumulative Days: 61	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
14 Days	Chapter 5: Ratios, Rates, and Proportions	
1	5.1 Ratios	NS 1.0: NS1.2
2	5.2 Unit Rates and Proportional Reasoning	AF 2.1; AF2.2: MR 1.1:
3	5.3 Proportions	NS 1.2 NS 1.3 AF 2.2:
2	5.4 Solving Proportions	NS 1.3 AF2.3
2	5.5 Using Similar Figures	NS 1.3 MR 2.0: MR 1.2
2	5.6 Maps and Scales Drawings	NS 1.2 NS 1.3:
2	Chapter 5 Review & Test	
	Cumulative Days: 75	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
17	Chapter 6 - Percents	
2	6.1 Percents, Fractions, and Decimals	NS1.0
2	6.2 Percents Greater than 100% or Less than 1%	NS 1.0 MR 2.7
1	BENCHMARK TEST- 80 DAYS	
2	6.3 Finding Percent of a Number	NS 1.4 MR 3.2
2	6.4 Solving Percent Problems Using Proportions	NS 1.0 NS 1.3 MR 2.4
2	6.5 Solving Percent Problems Using Equations	NS 1.4 NR 3.0
2	6.6 Tips and Discounts	NS 1.0 NS 1.4 MR 1.3
2	6.7 Interest	NS 1.4
2	Chapter 6 Review & Test	
	Cumulative Days 92	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
13	Chapter 7 Geometry	
1	7.1 Lines and Planes	MG 2.0
2	7.2. Identifying and Classifying Angles	MG 2.0 MG2.1 MG 2.2
2	7.3 Triangles	MG 2.0 MG 2.2 MG2.3
1	7.4 Quadrilaterals and Other Polygons	MG2.0 MG2.3
2	7.5 Using the Properties of Angles	MG 2.2 MR 3.3
2	7.6 Circles	MG 2.0
1	7.7 Circle Graphs	MR 2.4 MR 3.1
2	Chapter 7 Review and Test	
	Cumulative Days - 105	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
15 days	Chapter 8 Measurement	
2	8.1. Perimeter and Areas of a Rectangle	AF 3.1 AF 3.2
1	8.2 Perimeter and Areas of a Parallelogram	AF 3.1 AF 3.2 MG 1.0
2	8.3 Perimeter and Areas of a Triangle	AF 3.1 MG 1.0
2	8.4 Circumference and Areas of a Circle	MG 1.1 MG 1.2
1	8.5 Three Dimensional Figures	MG 1.0 prepares For MG 1.3
2	8.6 Surface Areas of Prisms and Circles	MG 1.0 MG 1.1
2	8.7 Volumes of Prisms and Cylinders	MG 1.0 MG 1.3 MR 2.1
2	Chapter 8 Review & Test	
1	BENCHMARK TEST 120 DAYS	
	Cumulative Days: 120	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
14	Chapter 10 – Displaying and Analyzing Data	
2	10.1 Making Data Displays	Prepares for SDAP 2.3
2	10.2 Analyzing Data Displays	SDAP 2.3 SDAP 1.4 MR 1.1 MR2.5
2	10.3 Sampling	SDAP2.2 SDAP 2.0 SDAP 2.1
2	10.4 Surveys and Samples	SDAP 2.3 SDAP 2.4 SDAP 2.5 SDAP 2.0
2	10.5 Using Graphs to Persuade	SDAP 2.5 MR 3.0
2	10.6 Using Data to Persuade	SDAP 1.2 SDAP 1.4 SDAP 2.5
2	Chapter 10 Review & Test	
	Cumulative Days 134	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
12 Days	Chapter 11 Probability	
1	11.1 Probability	SDAP 3.0 SDAP 3.3
2	11.2 Experimental Probability	SDAP 3.0 SDAP 3.2 SDAP 3.3
2	11.3 Sample Spaces	SDAP 3.1 MR 2.4
3	11.4 Compound Events	SDAP 3.0 ,SDAP 3.1 SDAP 3.2, SDAP 3.3 SDAP 3.4,SDAP 3.5 MR 1.0, MR 1.3 MR 2.0,MR 2.5 MR 3.2
2	11.5 Disjoint Events	SDAP3.0 SDAP 3.3 SDAP 3.4
2	Chapter 11 Review & Test	
	Cumulative Days 146	
6	STAR TESTING	
	CUMULATIVE DAYS 152	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
15	Chapter 9 Patterns and Rules	
3	9.1 Patterns and Graphs	AF 2.0 MR 2..3
3	9.2 Patterns and Tables	AF 3.0 MR 3.1
2	9.3 Function Rules	AF 2.3
3	9.4 Using Tables, Rules, and Graphs	NS 2.0 AF 1.0
2	9.5 Graphing Linear Equations	AF 1.0
2	Chapter 9 Review & Test	
	Cumulative Days 167	

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Time/ # of Days	Topics: Content and Assessment	CA Content Standards
13	Post CST Topics- Intro to 7th Grade Math Concepts	
2	Coordinate Plane, Graphing points, (xy) charts	
2	Families of Functions	
2	Combining Like Terms	
2	Multi-step Equations	
2	Review for Final Exam	
3	Assessment: End of Year Exam Exam Testing Window: TBD	
	Cumulative Days 180	