

7th Grade McGraw Hill - Math Course 2 Pacing Guide

SEMESTER 1

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Dates			Number of Days
August 17 - 28	Beginning of the Year ALEKS Window		August 17 - 28
August 12 - August 22 8 days	Unit 1 – Math Is...		
	Big Idea: Problem Solving		
	Essential Question: What does it mean to do math?		
	1-1	Math Is In My World	1 day
	1-2	Math Is Exploring and Thinking	1 day
	1-3	Math Is Explaining and Sharing	1 day
	1-4	Math Is Finding Patterns	1 day
	1-5	Math Is Ours	1 day
	1-6	Math Is Mine	1 day
	Additional/Extra Instructional Days		2 days
August 24- September 25 24 days	Unit 2 – Solve Problems Involving Geometry		
	Big Ideas: 2-D and 3-D Connections, Angle Relationships, Scale Drawings, Shapes in the World		
	Essential Question: How much and in what ways would we miss two-dimensional and three-dimensional shapes if they didn't exist?		
	2-1	Solve Problems Involving Scale Drawings	2 days
	2-2	Use Side Lengths and Angle Measures to Draw and Analyze Triangles	2 days
	2-3	Analyze Attributes of Geometric Figures	2 days
	2-4	Solve Problems Involving Angle Relationships	2 days
	2-5	Describe Cross Sections of Three-Dimensional Figures	2 days
	2-6	Solve Problems Involving Area and Surface Area	2 days
	2-7	Solve Problems Involving Volume	2 days
	2-8	Solve Problems Involving Circumference of Circles	2 days
	2-9	Solve Problems Involving Area of Circles	2 days
	Additional/Extra Instructional Days		6 days
September 28 - October 9	Benchmark Assessment #1: Unit 2 Assessment - Form A		September 28 - October 9
	Unit 3 – Proportional Relationships		
	Big Ideas: Graphing Relationships, Proportional Relationships, Units Rates in the World		
	Essential Question: How do proportional relationships help you understand everyday situations?		
	3-1	Connect Ratios, Rates, and Proportions	2 days

September 28 - October 23 19 days	3-2	Use Tables to Determine Proportionality	2 days
	3-3	Use Graphs to Determine Proportionality	2 days
	3-4	Represent Proportional Relationships with Equations	2 days
	3-5	Describe Proportional Relationships	2 days
	3-6	Use Proportional Reasoning to Solve Multi-Step Ratio Problems	2 days
	Additional Days for Instruction and Testing of Benchmark Assessment #1 (Unit 2)		7 days
October 26 - November 20 19 days	Unit 4 – Solve Problems Involving Percentages		
	Big Idea: Units Rates in the World		
	Essential Question: How does percent enable us to accurately describe real-world changes in quantities?		
	4-1	Connect Percentages and Proportional Reasoning	2 days
	4-2	Understand the Percent Equation	2 days
	4-3	Solve Percent Change Problems	2 days
	4-4	Solve Markup and Markdown Problems	2 days
	4-5	Solve Simple Interest Problems	2 days
	4-6	Solve Percent Error Problems	2 days
	Additional/Extra Instructional Days		7 days
November 30 - December 18 15 days	Unit 5 – Sampling and Statistics		
	Big Ideas: Populations & Samples, Visualize Populations		
	Essential Question: How can statistics help us analyze a population?		
	5-1	Relationships between Populations, Samples, and Statistics	2 days
	5-2	Identify Unbiased and Biased Samples	2 days
	5-3	Draw Inferences from Samples	2 days
	5-4	Use Multiple Samples to Describe Accuracy	2 days
	5-5	Assess Visual Overlap	2 days
Additional Days for Instruction and Testing of Benchmark Assessment #2 (Unit 5)		5 days	
December 7 - December 18	Benchmark Assessment # 2: Unit 5 Assessment - Form A		December 7 - December 18

SEMESTER 2		
Dates		Number of Days
January 12 - February 5 18 days	Unit 6 – Solve Problems Involving Operations with Integers and Rational Numbers	
	Big Idea: Proportional Relationships	
	Essential Question: How do you know when to express quantities in different ways?	
	6-1 Terminating and Nonterminating Decimals	2 days
	6-2 Add Integers and Rational Numbers	2 days
	6-3 Understand Additive Inverses	2 days
	6-4 Subtract Integers and Rational Numbers	2 days
	6-5 Multiply Integers and Rational Numbers	2 days
	6-6 Divide Integers and Rational Numbers	2 days
	6-7 Use Properties of Operations to Add, Subtract, Multiply, and Divide	2 days
	Additional Days for Instruction and Middle of the Year Aleks	4 days
January 19 - January 29	Middle of the Year ALEKS Window	January 19 - 29
February 8 - February 26 13 days	Unit 7 – Work with Linear Expressions	
	Big Idea: Unit Rates in the World	
	Essential Question: Why is it beneficial to rewrite expressions in different forms?	
	7-1 Combine Like Terms	2 days
	7-2 Expand Linear Expressions	2 days
	7-3 Add Linear Expressions	2 days
	7-4 Subtract Linear Expressions	2 days
	7-5 Factor Linear Expressions	2 days
	Additional/Extra Instructional Days	3 days
March 1 - March 12	Benchmark Assessment # 3: Unit 7 Assessment - Form A	March 1 - March 12
March 1 - March 24 17 days	Unit 8 – Solve Problems Using Equations and Inequalities	
	Big Idea: Unit Rates in the World	
	Essential Question: How can equations and inequalities be used to represent our world?	
	8-1 Solve Equations: $px + q = r$	2 days
	8-2 Write Two-Step Equations	2 days
	8-3 Solve Equations: $p(x+q) = r$	2 days
	8-4 Write and Solve One-Step Addition and Subtraction Inequalities	2 days
	8-5 Write and Solve One-Step Multiplication and Division Inequalities	2 days

	8-6	Write and Solve Two Step Inequalities	2 days
	Additional Days for Instruction and Testing of Benchmark Assessment #3 (Unit 7)		5 days
Spring Break March 24 - April 2			
April 5- April 23 15 days	Unit 9– Probability		
	Big Idea: Probability Models		
	Essential Question: How can probability be used to predict future events?		
	9-1	Understand Probability	2 days
	9-2	Experimental Probability of Simple Events	2 days
	9-3	Theoretical Probability of Simple Events	2 days
	9-4	Compare Probabilities of Simple Events	2 days
	9-5	Probability of Compund Events	2 days
	9-6	Simulate Chance Events	2 days
		Additional Days for Instruction and End of the Year Test	
April 19-30	End of the Year ALEKS Window		April 19-30
May 3 - May 28	CAASPP Testing		

Extra Instructional Days

Closing the Unit

Unit Review, Math Modeling, Unit Assessment, Performance Task, FIABs

Intervention

Fluency Practice, Differentiation (small group lessons, ALEKS, personalized practice)