

**Scope and Sequence  
Grade 6 PreAP Mathematics  
Six Weeks #1**

6 Weeks # Lesson #	TEKS	TAKS OBJ	RESOURCES			
			TEKSING Toward TAKS		Homework	Tutorials
6 Week 2 Lesson 3	6.1F/identify multiples of a positive integer and common multiples and the least common multiple of a set of positive integers	1	ILA 6.1F	SP 1-2	TTT 6.1F HW #1 TTT 6.1F HW #2	Lesson 3 Tutorials
6 Week 1 Lesson 1	7.1A/compare and order . . . positive rational numbers (fractions and decimals)	1	ILA 7.1A	SP 3-4	TTT 7.1A HW #1 TTT 7.1A HW #2	Lesson 1 Tutorials
6 Week 1 Lesson 2	7.1B/convert between fractions, decimals, and whole numbers, . . . mentally, on paper, or with a calculator	1	ILA 7.1B	SP 5-6	TTT 7.1B HW #1 TTT 7.1B HW #2	Lesson 2 Tutorials
6 Week 2 Lesson 4	6.2A/model addition and subtraction situations involving fractions with objects, pictures, words, and numbers.	1	ILA 6.2A	SP 7-8	TTT 6.2A HW #1 TTT 6.2A HW #2 TTT 6.2A HW #3	Lesson 4 Tutorials
6 Week 3 Lesson 1	6.2B/use addition and subtraction to solve problems involving fractions and decimals	1	ILA 6.2B	SP 9-10	TTT 6.2B HW #1 TTT 6.2B HW #2	Lesson 1 Tutorials
6 Week 1 Lesson 3	7.2A/represent multiplication and division situations involving fractions and decimals with models, including concrete objects, pictures, words, and numbers	1	ILA 7.2A	SP 11-12	TTT 7.2A HW #1 TTT 7.2A HW #2 TTT 7.2A HW #3	Lesson 3 Tutorials
6 Week 3 Lesson 3	6.2C/use multiplication and division of whole numbers to solve problems including situations involving equivalent ratios . . .	1	ILA 6.2C	SP 13-14	TTT 6.2C HW #1 TTT 6.2C HW #2	Lesson 3 Tutorials
6 Week 1 Lesson 4	7.2D/use division to find unit rates . . . in proportional relationships such as speed, density, price, recipes, and student-teacher ratio	1	ILA 7.2D	SP 15-16	TTT 7.2D HW #1 TTT 7.2D HW #2 TTT 7.2D HW #3	Lesson 4 Tutorials
6 Week 1 Lesson 5	7.2E/simplify numerical expressions involving order of operations and exponents	1	ILA 7.2E	SP 17-18	TTT 7.2E HW #1 TTT 7.2E HW #2	Lesson 5 Tutorials
6 Week 1 Lesson 6	7.3B/estimate and find solutions to application problems involving proportional relationships such as . . . related measurement units	2	ILA 7.3B	SP 19-20	TTT 7.3B HW #1 TTT 7.3B HW #2	Lesson 6 Tutorials

**Scope and Sequence  
Grade 6 PreAP Mathematics  
Six Weeks #1**

6 Weeks # Lesson #	TEKS	TAKS OBJ	RESOURCES		
			TEKSING Toward TAKS	Homework	Tutorials
6 Week 1 Lesson 7	7.4 A/generate formulas involving . . . perimeter, area, . . . 7.4B/graph data to demonstrate relationships in familiar concepts such as . . . perimeter, area, . . .	2	ILA 7.4A/4B    SP 21-22	TTT 7.4A/4B HW #1 TTT 7.4A/4B HW #2	Lesson 7 Tutorials
6 Week 1 Lesson 8	7.9A/estimate measurements and solve application problems involving length (including perimeter. . .), and area of polygons...	4	ILA 7.9A        SP 23	TTT 7.9A HW #1	Lesson 8 Tutorials
6 Week 1 Lesson	6.8C/measure angles	4	ILA 6.8C        SP 24-25	TTT 6.8C HW #1 TTT 6.8C HW #2	Lesson 7 Tutorials
Remaining Days for Instruction	<b>Teacher Choice TEKS Instruction based on Class Profile Book data</b>	1-6			
Review & Exam 2 days	<b>Six Weeks Review/6 Weeks Exam</b>	1-6	Use Mini-Assessments from Six Weeks #1 to Review for Exam	Review Homework and Mini-Assessments	

**NOTES:**

**Column 1:** **Six Week** notes which Six Weeks the Lesson can be found in the Grade 6 or Grade 7 Mathematics Curriculum.

**Lesson** notes the Lesson number within the six weeks in the Grade 6 or Grade 7 Mathematics Curriculum.

**Column 2:** Lists the TEKS focus for the lesson.

**Column 3:** Notes the TAKS Strand for Grade 6.

**Column 4:** ILA is an abbreviation for Instructional Lesson and Assessment.

**Column 5:** Grade 6 students should complete Grade 6 Spiraled Practice focused on Grade 6 TEKS/TAKS.

**Column 6:** Lists homework assignments for the lesson.

**Column 7:** Lists tutorials available for the lesson.

**Scope and Sequence  
Grade 6 PreAP Mathematics  
Six Weeks #2**

6 Weeks # Lesson #	TEKS	TAKS OBJ	TEKSING Toward TAKS		RESOURCES	
					Homework	Tutorials
6 Week 1 Lesson 8	6.6A/use angle measurements to classify angles as acute, obtuse, or right 6.6B/identify relationships involving angles in triangles...	3	ILA 6.6A/6B	SP 26-27	TTT 6.6A/6B HW #1 TTT 6.6A/6B HW #2 TTT 6.6A/6B HW #3	Lesson 8 Tutorials
6 Week 1 Lesson 9	7.6B/use properties to classify triangles . . .	3	ILA 7.6B	SP 28-29	TTT 7.6B HW #1 TTT 7.6B HW #2	Lesson 9 Tutorials
6 Week 1 Lesson 10	7.6D/use critical attributes to define similarity	3	ILA 7.6D	SP 30-31	TTT 7.6D HW #1 TTT 7.6D HW #2	
6 Week 1 Lesson 3	6.1E/identify factors of a positive integer, common factors, and the greatest common factor of a set of positive integers	1	ILA 6.1E	SP 32-33	TTT 6.1E HW #1 TTT 6.1E HW #2	Lesson 3 Tutorials
6 Week 1 Lesson 2	6.1B/generate equivalent forms of rational numbers including whole numbers, fractions, and decimals	1	ILA 6.1B	SP 33-34	TTT 6.1B HW #1 TTT 6.1B HW #2 TTT 6.1B HW #3	Lesson 2 Tutorials
6 Week 1 Lesson 11	7.11A/select and use an appropriate representation for presenting and displaying relationships among collected data, including . . . line graph, bar graph . . ., and justify selections 7.11B/make inferences and convincing arguments based on an analysis of given or collected data (line graph and bar graph)	5	ILA 7.11A/11B	SP 34-35	TTT 7.11A/11B HW #1 TTT 7.11A/11B HW #2 TTT 7.11A/11B HW #3	Lesson 11 Tutorials
6 Week 4 Lesson 1 2 days	6.3B/represent percents . . . with concrete models, fractions, and decimals	2	ILA 6.3B	SP 35-36	TTT 6.3B HW #1 TTT 6.3B HW #2	Lesson 1 Tutorials
6 Week 2 Lesson 1	7.1B/convert between fractions, decimals, whole numbers, and percents mentally, on paper, or with a calculator	1	ILA 7.1B	SP 36-37	TTT 7.1B HW #1 TTT 7.1B HW #2	Lesson 1 Tutorials
6 Week 2 Lesson 2	7.1C/represent squares and square roots using geometric models	1	ILA 7.1C	SP 38-39	TTT 7.1C HW #1 TTT 7.1C HW #2	Lesson 2 Tutorials
6 Week 2 Lesson 3	7.2B/use addition, subtraction, multiplication and division to solve problems involving fractions and decimals	1	ILA 7.2B	SP 40-41	TTT 7.2B HW #1 TTT 7.2B HW #2	Lesson 3 Tutorials

**Scope and Sequence  
Grade 6 PreAP Mathematics  
Six Weeks #2**

6 Weeks # Lesson #	TEKS	TAKS OBJ	RESOURCES		
			TEKSING Toward TAKS	Homework	Tutorials
6 Week 3 Lesson 2	6.3B/represent ratios . . . with concrete models, fractions, and decimals	2	ILA 6.3B      SP 42-43	TTT 6.3B HW #1 TTT 6.3B HW #2	Lesson 2 Tutorials
6 Week 3 Lesson 4	6.3A/use ratios to describe proportional situations 6.3C/use ratios to make predictions in proportional situations	2	ILA 6.3A/3C      SP 44-45	TTT 6.3A/3C HW #1 TTT 6.3A/3C HW #2 TTT 6.3A/3C HW #3	Lesson 4 Tutorials
6 Week 4 Lesson 2	6.8C/measure angles 6.6A/use angle measurements to classify angles as acute, obtuse, or right	4 3	ILA 6.8C/6A      SP 46-47	TTT 6.8C/6A HW #1 TTT 6.8C/6A HW #2	Lesson 2 Tutorials
6 Week 4 Lesson 3	6.6B/identify relationships involving angles in ...quadrilaterals	3	ILA 6.6B      SP 48	TTT 6.6B HW #1 TTT 6.6B HW #2	Lesson 3 Tutorials
6 Week 2 Lesson 4	7.3B/estimate and find solutions to application problems involving proportional relationships such as . . . unit costs, . . .	2	ILA 7.3B      SP 49	TTT 7.3B HW #1 TTT 7.3B HW #2	Lesson 4 Tutorials
6 Week 2 Lesson 5	7.4A/generate formulas involving conversions, . . . 7.4B/graph data to demonstrate relationships in familiar concepts such as conversions, . . .	2	ILA 7.4A/7.4B      SP 50	TTT 7.4A/4B HW #1 TTT 7.4A/4B HW #2	Lesson 5 Tutorials
Remaining Days for Instruction	<b>Teacher Choice TEKS Instruction based on Class Profile Book data</b>	1-6			
Review & Exam 2 days	<b>Six Weeks Review/6 Weeks Exam</b>	1-6	Use Mini-Assessments from Six Weeks #2 to Review for Exam	Review Homework and Mini-Assessments	

**NOTES:**

**Scope and Sequence  
Grade 6 PreAP Mathematics  
Six Weeks #3**

6 Weeks # Lesson #	TEKS	TAKS OBJ	TEKSING Toward TAKS		RESOURCES	
					Homework	Tutorials
6 Week 2 Lesson 6	7.6A/use angle measurements to classify pairs of angles as complementary or supplementary	3	ILA 7.6A	SP 51-52	TTT 7.6A HW #1 TTT 7.6A HW #2	Lesson 6 Tutorials
6 Week 2 Lesson 7	7.6B/use properties to classify . . . quadrilaterals	3	ILA 7.6B	SP 52-53	TTT 7.6B HW #1 TTT 7.6B HW #2	Lesson 7 Tutorials
6 Week 2 Lesson 8	7.6C/use properties to classify three-dimensional figures including pyramids, . . . prisms, . . .	3	ILA 7.6C	SP 53-54	TTT 7.6C HW #1 TTT 7.6C HW #2	Lesson 8 Tutorials
6 Week 2 Lesson 9	7.7A/locate and name points on a coordinate plane using ordered pairs of integers	3	ILA 7.7A	SP 54-55	TTT 7.7A HW #1 TTT 7.7A HW #2	Lesson 9 Tutorials
6 Week 2 Lesson 12	7.11A/select and use an appropriate representation for presenting and displaying relationships among collected data, including line plot . . . , and justify selections 7.11B/make inferences and convincing arguments based on an analysis of given or collected data (line plot)	5	ILA 7.11A/11B	SP 55-57	TTT 7.11A/11B HW #1 TTT 7.11A/11B HW #2 TTT 7.11A/11B HW #3	Lesson 12 Tutorials
6 Week 2 Lesson 13	7.13A/identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics	6	ILA 7.13A	SP 58-59	TTT 7.13A HW #1 TTT 7.13A HW #2	Lesson 13 Tutorials
6 Week 2 Lesson 2	6.1C/use integers to represent real-life situations	1	ILA 6.1C	SP 60-61	TTT 6.1C HW #1 TTT 6.1C HW #2	Lesson 2 Tutorials
6 Week 3 Lesson 1	7.1A/compare and order integers and positive rational numbers	1	ILA 7.1A	SP 62-63	TTT 7.1A HW #1 TTT 7.1A HW #2	Lesson 1 Tutorials
6 Week 3 Lesson 2	7.2C/use models, such as concrete objects, pictorial models, and number lines, to add, subtract, multiply, and divide integers and connect the actions to algorithms	1	ILA 7.2C	SP 64-65	TTT 7.2C HW #1 TTT 7.2C HW #2	Lesson 2 Tutorials
6 Week 3 Lesson 3	7.2F/select and use appropriate operations to solve problems and justify the selections	1	ILA 7.2F	SP 66-67	TTT 7.2F HW #1 TTT 7.2F HW #2	Lesson 3 Tutorials

**Scope and Sequence  
Grade 6 PreAP Mathematics  
Six Weeks #3**

6 Week # Lesson # # of days	TEKS	TAKS OBJ	RESOURCES			
			TEKSING Toward TAKS		Homework	Tutorials
6 Week 3 Lesson 4	7.2G/determine the reasonableness of a solution to a problem	1	ILA 7.2G	SP 68	TTT 7.2G HW #1	Lesson 4 Tutorials
6 Week 3 Lesson 5	7.3A/estimate and find solutions to application problems involving percent	2	ILA 7.3A	SP 69-70	TTT 7.3A HW #1 TTT 7.3A HW #2	Lesson 5 Tutorials
6 Week 3 Lesson 6	7.3B/estimate and find solutions to application problems involving proportional relationships such as similarity, scaling, . . .	2	ILA 7.3B	SP 71-72	TTT 7.3B HW #1 TTT 7.3B HW #2	Lesson 6 Tutorials
6 Week 4 Lesson 5	6.6C/describe relationships between radius, diameter, and circumference of a circle	3	ILA 6.6C	SP 73-74	TTT 6.6C HW #1 TTT 6.6C HW #2	Lesson 5 Tutorials
6 Week 3 Lesson 7	7.4A/generate formulas involving circumference . . . 7.4B/graph data to demonstrate relationships in familiar concepts such as circumference . . .	2	ILA 7.4A/7.4B	SP 75	TTT 7.4A/7.4B HW #1 TTT 7.4A/7.4B HW #2	Lesson 7 Tutorials
Remaining Days for Instruction	<b>Teacher Choice TEKS Instruction based on Class Profile Book data</b>	1-6				
Review & Exam 2 days	<b>Six Weeks Review/6 Weeks Exam</b>	1-6	Use Mini-Assessments from Six Weeks #3 to Review for Exam		Review Homework and Mini-Assessments	

**NOTES:**

**Scope and Sequence  
Grade 6 PreAP Mathematics  
Six Weeks #4**

6 Weeks # Lesson #	TEKS	TAKS OBJ	TEKSING Toward TAKS		RESOURCES	
					Homework	Tutorials
6 Week 3 Lesson 8	7.9A/estimate measurements and solve applications problems involving length (including...circumference) and area of . . . other shapes	4	ILA 7.9A	SP 76-77	TTT 7.9A HW #1 TTT 7.9A HW #2	Lesson 8 Tutorials
6 Week 3 Lesson 9	7.6C/use properties to classify three-dimensional figures, including . . .cones, . . . and cylinders	3	ILA 7.6C	SP 78-79	TTT 7.6C HW #1 TTT 7.6C HW #2	Lesson 9 Tutorials
6 Week 3 Lesson 10	7.5A/use concrete models to solve equations . . .	2	ILA 7.5A	SP 80-81	TTT 7.5A HW #1 TTT 7.5A HW #2	Lesson 10 Tutorials
6 Week 3 Lesson 11	7.7B/ . . .graph translations on a coordinate plane	3	ILA 7.7B	SP 82-83	TTT 7.7B HW #1 TTT 7.7B HW #2	Lesson 11 Tutorials
6 Week 3 Lesson 12	7.11A/select and use an appropriate representation for presenting and displaying relationships among collected data, including . . . circle graph . . ., and justify selections 7.11B/make inferences and convincing arguments based on an analysis of given or collected data (circle graph)	5	ILA 7.11A/11B	SP 84-86	TTT 7.11A/11B HW #1 TTT 7.11A/11B HW #2 TTT 7.11A/11B HW #3	Lesson 11 Tutorials
6 Week 3 Lesson 9	6.8A/estimate measurements...and evaluate reasonableness of results 6.8B/select and use appropriate units, tools, or formulas to measure and to solve problems involving...time, temperature, and weight	4	ILA 6.8A/6.8B	SP 87-88	TTT 6.8A/8B HW #1 TTT 6.8A/8B HW #2	Lesson 9 Tutorials
6 Week 4 Lesson 1	7.2D/use division to find ratios in proportional relationships	1	ILA 7.2D	SP 89-90	TTT 7.2D HW #1 TTT 7.2D HW #2	Lesson 1 Tutorials
6 Week 4 Lesson 2	7.9B/connect models for volume of prisms (triangular and rectangular) and cylinders to formulas of prisms (triangular and rectangular) and cylinders	4	ILA 7.9B	SP 91-92	TTT 7.9BHW #1 TTT 7.9B HW #2	Lesson 2 Tutorials
6 Week 4 Lesson 3	7.5B/formulate problem situations when given a simple equation and formulate an equations when give a problem situation	2	ILA 7.5B	SP 93-94	TTT 7.5B HW #1 TTT 7.5B HW #2	Lesson 3 Tutorials

**Scope and Sequence  
Grade 6 PreAP Mathematics  
Six Weeks #4**

6 Weeks # Lesson #	TEKS	TAKS OBJ	RESOURCES			
			TEKSING Toward TAKS	Homework	Tutorials	
6 Week ? Lesson 4	7.8A/sketch three-dimensional figures when given the top, side, and front views	3	ILA 7.8A	SP 95-96	TTT 7.8A HW #1 TTT 7.8A HW #2 TTT 7.8A HW #3	Lesson 4 Tutorials
6 Week 4 Lesson 5	7.4A/generate formulas involving . . . volume . . . 7.4B/graph data to demonstrate relationships in familiar concepts such as . . . volume . . .	2	ILA 7.4A/4B	SP 97-98	TTT 7.4A/7.4B HW #1 TTT 7.4A/7.4B HW #2	Lesson 5 Tutorials
6 Week 4 Lesson 6	7.9C/estimate measurements and solve applications problems involving volume of prisms (rectangular and triangular) and cylinders	4	ILA 7.9C	SP 99	TTT 7.9C HW #1 TTT 7.9C HW #2	Lesson 6 Tutorials
6 Week 4 Lesson 7	7.4C/use words and symbols to describe the relationship between the terms in an arithmetic sequence (with a constant rate of change) and their positions in the sequence	2	ILA 7.4C	SP 100	TTT 7.4C HW #1 TTT 7.4C HW #2	Lesson 7 Tutorials
Remaining Days for Instruction	<b>Teacher Choice TEKS Instruction based on Class Profile Book data</b>	1-6				
Review & Exam 2 days	<b>Six Weeks Review/6 Weeks Exam</b>	1-6	Use Mini-Assessments from Six Weeks #4 to Review for Exam		Review Homework and Mini-Assessments	

**NOTES:**

**Scope and Sequence**  
**Grade 6 PreAP Mathematics**  
**Six Weeks #5**

6 Weeks # Lesson #	TEKS	TAKS OBJ	RESOURCES		
			TEKSING Toward TAKS	Homework	Tutorials
6 Week 4 Lesson 8	7.11A/select and use an appropriate representation for presenting and displaying relationships among collected data, including . . . Venn diagrams, and justify selections 7.11B/make inferences and convincing arguments based on an analysis of given or collected data (Venn diagram)	5	ILA 7.11A/11B SP 101-102	TTT 7.11A/11B HW #1 TTT 7.11A/11B HW #2	Lesson 8 Tutorials
6 Week 5 Lesson 1	6.9B/find the probabilities of a simple event and its complement and describe the relationships between the two	5	ILA 6.9B SP 103-105	TTT 6.9B HW #1 TTT 6.9B HW #2 TTT 6.9B HW #3	
6 Week 4 Lesson 9	7.13C/select or develop an appropriate problem-solving strategy from a variety of different types, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a simpler problem, or working backwards to solve a problem	6	ILA 7.13C    SP 106-107	TTT 7.13C HW #1 TTT 7.13C HW #2	Lesson 9 Tutorials
6 Week 4 Lesson 10	7.15A/make conjectures from patterns or sets of examples and nonexamples	6	ILA 7.15A    SP 108-109	TTT 7.15A HW #1 TTT 7.15A HW #2	Lesson 10 Tutorials
6 Week 5 Lesson 1	7.4A/generate formulas involving . . . scaling 7.4B/graph data to demonstrate relationships in familiar concepts such as . . . scaling	2	ILA 7.4A/4B    SP 110-111	TTT 7.4A/7.4B HW #1 TTT 7.4A/7.4B HW #2	Lesson 1 Tutorials
6 Week 5 Lesson 2	7.8B/make a net (two-dimensional model) of the surface area of a three-dimensional figure	3	ILA 7.8B    SP 112-114	TTT 7.8B HW #1 TTT 7.8B HW #2 TTT 7.8B HW #3	Lesson 2 Tutorials
6 Week 5 Lesson 3	7.8C/use geometric concepts and properties to solve problems in fields such as art and architecture	3	ILA 7.8C    SP 115-116	TTT 7.8C HW #1 TTT 7.8C HW #2	Lesson 3 Tutorials
6 Week 5 Lesson 4	7.10A/construct sample spaces for simple or composite experiments	5	ILA 7.10A    SP 117-118	TTT 7.10A HW #1 TTT 7.10A HW #2	Lesson 4 Tutorials
6 Week 5 Lesson 5	7.10B/find the probability of independent events	5	ILA 7.10B    SP 119-120	TTT 7.10B HW #1 TTT 7.10B HW #2	Lesson 5 Tutorials

**Scope and Sequence  
Grade 6 PreAP Mathematics  
Six Weeks #5**

6 Weeks # Lesson #	TEKS	TAKS OBJ	RESOURCES		
			TEKSING Toward TAKS	Homework	Tutorials
<b>6 Week 5 Lesson 7</b>	<b>7.12B</b> /choose among mean, median, mode, or range to describe a set of data and justify the choice for a particular situation	5	ILA 7.12B SP 121-111	TTT 7.12B HW #1 TTT 7.12B HW #2	Lesson 7 Tutorials
<b>6 Week 5 Lesson 8</b>	<b>7.13B</b> /use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness <b>7.14A</b> /communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models	6	ILA 7.13B/14A SP 123-124	TTT 7.13B/14A HW #1 TTT 7.13B/14A HW #2	Lesson 8 Tutorials
<b>6 Week 5 Lesson 9</b>	<b>7.15B</b> /validate his/her conclusions using mathematical properties and relationships	6	ILA 7.15B SP 125	TTT 7.15B HW #1 TTT 7.15B HW #2	Lesson 9 Tutorials
Remaining Days for Instruction	<b>Teacher Choice TEKS Instruction based on Class Profile Book data</b>	1-6			
Review & Exam 2 days	<b>Six Weeks Review/6 Weeks Exam</b>	1-6	Use Mini-Assessments from Six Weeks #5 to Review for Exam	Review Homework and Mini-Assessments	
<b>NOTES:</b>					