

**Summer School Scope and Sequence
Grade 8 Mathematics**

Lesson	TEKS	TAKS OBJ	TEKSING TOWARD TAKS RESOURCES		
			Lesson & Assessment	Homework	Tutorials
PRETEST	SUMMER SCHOOL PRETEST	1-6			
Lesson 1	8.5B /find and evaluate an algebraic expression to determine any term in an arithmetic sequence (with a constant rate of change)	2	ILA 8.5B Spiraled Practice 1 & 2	TTT 8.5B HW #1 TTT 8.5B HW #2	Lesson 1 Tutorials
Lesson 2	8.8A /find lateral and total surface area of prisms and cylinders using concrete models and nets (two-dimensional models)	4	ILA 8.8A Spiraled Practice 3	TTT 8.8A HW #1 TTT 8.8A HW #2 TTT 8.8A HW #3	Lesson 2 Tutorials
Lesson 3	8.8C /estimate measurements and use formulas to solve application problems involving lateral and total surface area...	4	ILA 8.8C Spiraled Practice 4 & 5	TTT 8.8C HW #1 TTT 8.8C HW #2	Lesson 3 Tutorials
Lesson 4	8.10A /describe the resulting effects on perimeter ... when dimensions of a shape are changed proportionally	4	ILA 8.10A Spiraled Practice 6 & 7	TTT 8.10A HW #1 TTT 8.10A HW #2	Lesson 4 Tutorials
Lesson 5	8.11A /find the probabilities of dependent and independent events 8.11C /select and use different models to simulate an event	5	ILA 8.11A /8.11C Spiraled Practice 8	TTT 8.11A/8.11C HW #1 TTT 8.11A/8.11C HW #2 TTT 8.11A/8.11C HW #3	Lesson 5 Tutorials
Lesson 6	8.2A /select and use appropriate operations to solve problems and justify the selections	1	ILA 8.2A Spiraled Practice 9 & 10	TTT 8.2A HW #1	Lesson 6 Tutorials
Lesson 7	8.2B /add, subtract, multiply, and divide rational numbers in problem situations	1	ILA 8.2B Spiraled Practice 11 & 12	TTT 8.2B HW #1	Lesson 7 Tutorials
Lesson 8	8.10A /describe the resulting effects on ... area when dimensions of a shape are changed proportionally	4	ILA 8.10A Spiraled Practice 13 & 14	TTT 8.10A HW #1 TTT 8.10A HW #2	Lesson 8 Tutorials
Lesson 9	8.14A /identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics	6	ILA 8.14 Spiraled Practice 15 & 16	TTT 8.14A HW #1 TTT 8.14A HW #2	Lesson 9 Tutorials

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Lesson 10	8.14C /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 8.14C Spiraled Practice 17 & 18	TTT 8.14C HW #1 TTT 8.14C HW #2	Lesson 10 Tutorials
Lesson 11	8.7C /use pictures or models to demonstrate the Pythagorean Theorem 8.9A /use the Pythagorean Theorem to solve real-life problems	3 4	ILA 8.7C/8.9A Spiraled Practice 21 & 22	TTT 8.7C/8.9A HW #1 TTT 8.4A/8.9A HW #2 TTT 8.4A/8.9A HW #3 TTT 8.4A/8.9A HW #4	Lesson 11 Tutorials
Lesson 12	8.6A /generate similar shapes using dilations including enlargements and reductions 8.6B /graph dilations, ... on a coordinate plane	3	ILA 8.6A/8.6B Spiraled Practice 23	TTT 8.6A/8.6B HW #1 TTT 8.6A/8.6B HW #2 TTT 8.6A/8.6B HW #3 TTT 8.6A/8.6B HW #4	Lesson 12 Tutorials
Lesson 13	8.7B /use geometric concepts and properties to solve problems in fields such as art and architecture	3	ILA 8.7B Spiraled Practice 19 & 20	TTT 8.7B HW #1 TTT 8.7B HW #2	Lesson 13 Tutorials
Lesson 14	8.8C /estimate answers and use formulas to solve application problems involving ...volume 8.10B /describe the resulting effect on volume when dimensions of a solid are changed proportionally	4	ILA 8.8C/8.10B Spiraled Practice 24 & 25	TTT 8.8C/8.10B HW #1 TTT 8.8C/8.10B HW #2 TTT 8.8C/8.10B HW #3 TTT 8.8C/8.10B HW #4	Lesson 14 Tutorials
REVIEW	REVIEW FOR POSTTEST	1-6	Use Mini-Assessments from Lessons 1-15 to Review for Posttest		
POSTTEST					
NOTES:					