

Knox County Schools Mathematics Curriculum
Unit 3: Geometry and Fractions

1st Grade Planning Guide
Time: About 4 weeks

Knox County Key	Knox County Performance Objectives/ <i>State Assessed Performance Indicators</i>	State Blueprint Key/SPI #	Lessons	Text Pages
A	1. Identify/sort plane figures or shapes by attributes <i>Sort objects by two attributes; recognize basic properties of and similarities/differences between simple geometric figures; apply spatial sense to create a figure from memory; describe how objects have been sorted</i>	D 1.2.1 a,b 1.3.1 a 1.3.2 b	7.1, 7.2, 7.3	183-189
A	2. Identify geometric solids (cylinders, cones, spheres, cubes, rectangular prisms)		7.4, 7.5, 7.6	191-196,
A	3. Identify the properties of a cube, cylinder and rectangular prism, (edges, corners, faces) <i>Recognize similarities/differences for geometric figures</i>	D 1.3.1a	7.4, 7.5, 7.6	191-196
A	4. Find relationships between geometric solids and plane figures		7.6	195-196
D	Recognize and use terms of relative position and direction in a variety of situations (e.g. over, under, forward, backward, between, right, left) <i>Use directional terms in a variety of situations</i>	D 1.3.2a	8.1, 8.2	207-210
A	5. Identify/continue/create geometric patterns <i>Identify/describe growing patterns</i>	1.2.2a,b	8.5, 8.6	219- 222,
I	Identify symmetrical shapes	I	8.7	223-225
D	Identify congruent shapes	I		226
D	Recognize one whole as two halves or four fourths <i>Model halves and fourths of an object or figure; recognize one whole as two halves or four fourths</i>	I/D 1.1.1 j,k,l,m	9.1	237-238,
D	Determine if objects/sets have been divided into two, three, or four equal parts	I 1.1.1 j,k,m	9.2, 9.3, 9.4	239-246

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A	6. Match fractions to the represented shaded regions or parts of sets ($\frac{_}{_}$, $\frac{_}{_}$)	I/D 1.1.1 I	9.1, 9.2, 9.3, 9.4	237-246
A	7. Predict whether situations will be certain, impossible or probable (likely, unlikely or impossible) <i>Describe events as likely or unlikely</i>	D 1.5.2a	9.5, 9.6	247-254,
Essential Vocabulary: Refer to Houghton Mifflin <i>Planning the Lesson</i> for vocabulary Writing Prompts: Refer to <i>Keeping A Journal</i> and <i>Writing Prompts</i> in the <i>Quick Check Options</i>		Advanced Objectives 1. Identify slides, flips, and turns of shapes 8.4 2. Use knowledge of shapes p. 261-262		
State Accomplishments <ul style="list-style-type: none"> • Show $_$ and $_$ of a set of objects I • Predict results of combining/taking apart 2 and 3- dimensional geometric figures D • Create a figure from shapes I Literature Resources: <ul style="list-style-type: none"> • Unit Start-up pages (Unit Bibliography T.E.) • Literature Connections (Lesson Planning T.E.) • Read Aloud Anthology: <u>Four Shapes</u> • Interactive Math Reader: <u>The Clubhouse</u> Commercial Materials/manipulatives: <ul style="list-style-type: none"> • Vocabulary cards • Manipulative kit 		Technology: <ul style="list-style-type: none"> • Ways to Success CD Rom • Math Tracks CD Rom • eMath Book CD • eGames, • eManipulatives Text: Houghton Mifflin Chapter 7, 8, and 9 Assessment: Knox County Mathematics, Grade 1, Unit 3 Test Available in Houghton Mifflin Student Text: <ul style="list-style-type: none"> ▪ Quick Checks ▪ Chapter Review/Tests 		