

*Texas*  
**TAKS and TEKS Student Expectations**  
**Mathematics - Grade 3**  
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<b>Benchmark Number</b>	<b>Benchmark</b> • <b>Instructional Targets</b>	<b>Gourmet Resource</b>	<b>Taught</b>	<b>Tested</b>
<b>Domain: Number, Operation, and Quantitative Reasoning</b>				
<b>3.1 A</b>	• <i>use place value to read, write (in symbols and words), and describe the value of whole numbers through 999,999</i>	<b>Appetizers 3.1A; Main Dish Objective 1 (Number Concepts) Lessons 2 &amp; 5; Doggie Bags CD-Rom</b>		
<b>3.1 B</b>	• <i>use place value to compare and order whole numbers through 9,999</i>	<b>Appetizers 3.1B; Main Dish Objective 1 (Number Concepts) Lesson 1; Doggie Bags CD-Rom</b>		
<b>3.1 C</b>	• <i>determine the value of a collection of coins and bills</i>	<b>Appetizers 3.1C; Main Dish Objectives 1 (Number Concepts) Lesson 6; 6 (Addition) Lesson 2; 7 (Subtraction) Lesson 2; Doggie Bags CD-Rom</b>		
<b>3.2 B</b>	• <i>compare fractional parts of whole objects or sets of objects in a problem situation using concrete models.</i>	<b>Appetizers 3.2B; Main Dish Objective 1 (Number Concepts) Lesson 4; Doggie Bags CD-Rom</b>		
<b>3.2 C</b>	• <i>use fraction names and symbols to describe fractional parts of whole objects or sets of objects with denominators of 12 or less</i>	<b>Appetizers 3.2C; Main Dish Objective 1 (Number Concepts) Lesson 4; Doggie Bags CD-Rom</b>		
<b>3.3 A</b>	• <i>model addition and subtraction using pictures, words, and numbers</i>	<b>Appetizers 3.3A; Main Dish Objectives 6 (Addition) Lessons 1, 2, &amp; 3; 7 (Subtraction) Lesson 1; 11 (Problem Solving) Lesson 1; 12 (Mathematical Representation) Lesson 2; Doggie Bags CD-Rom</b>		

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3.3 B	• <i>select addition or subtraction and use the operation to solve problems involving whole numbers through 999</i>	Appetizers 3.3B; Main Dish Objectives 6 (Addition) Lesson 1; 7 (Subtraction) Lesson 1; 11 (Problem Solving) Lesson 1; 12 (Mathematical Representation) Lesson 1; Doggie Bags CD-Rom		
3.4 B	• <i>solve and record multiplication problems (one-digit multiplier)</i>	Appetizers 3.4B; Main Dish Objective 8 (Multiplication); Doggie Bags CD-Rom		
3.4 C	• <i>use models to solve division problems and use number sentences to record the solutions</i>	Appetizers 3.4C; Main Dish Objective 9 (Division) Lesson 1; 12 (Mathematical Representation) Lesson 2; Doggie Bags CD-Rom		
3.5 A	• <i>round two-digit numbers to the nearest ten and three-digit numbers to the nearest hundred</i>	Appetizers 3.5A; Main Dish Objective 10 (Estimation); Doggie Bags CD-Rom		
3.5 B	• <i>estimate sums and differences beyond basic facts</i>	Appetizers 3.5A; 13; Main Dish Objective 10 (Estimation); Doggie Bags CD-Rom		
<b>Domain: Patterns, Relationships, and Algebraic Thinking</b>				
3.6 A	• <i>identify and extend whole-number and geometric patterns to make predictions and solve problems</i>	Appetizers 3.6A; Main Dish Objective 2 (Mathematical Relations) Lesson 2; Doggie Bags CD-Rom		
3.6 B	• <i>identify patterns in multiplication facts using concrete objects, pictorial models, or technology</i>	Appetizers 3.6B; Main Dish Objective 8 (Multiplication); Doggie Bags CD-Rom		
3.6 C	• <i>identify patterns in related multiplication and division sentences (fact families) such as <math>2 \times 3 = 6</math>; <math>3 \times 2 = 6</math>; <math>6 \div 2 = 3</math>; <math>6 \div 3 = 2</math></i>	Appetizers 3.6C; Main Dish Objective 2 (Mathematical Relations) Lesson 1; Doggie Bags CD-Rom		
3.7 A	• <i>generate a table of paired numbers based on a real-life situation such as insects and legs</i>	Appetizers 3.7A; Main Dish Objective 2 (Mathematical Relations) Lessons 2 & 4; Doggie Bags CD-Rom		

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3.7 B	<ul style="list-style-type: none"> <li>identify patterns in a table of related number pairs based on a real-life situation</li> </ul>	Appetizers 3.7B; Main Dish Objective 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lessons 2 & 4; Doggie Bags CD-Rom		
<b>Domain: Geometry and Spatial Reasoning</b>				
3.8 A	<ul style="list-style-type: none"> <li>name, describe, and compare shapes and solids using formal geometric vocabulary</li> </ul>	Appetizers 3.8A; Main Dish Objective 3 (Geometry) Lessons 1 & 2; Doggie Bags CD-Rom		
3.9 A	<ul style="list-style-type: none"> <li>identify congruent shapes</li> </ul>	Appetizers 3.9A; Main Dish Objective 3 (Geometry) Lesson 2; Doggie Bags CD-Rom		
3.9 C	<ul style="list-style-type: none"> <li>identify lines of symmetry in shapes</li> </ul>	Appetizers 3.9C; Main Dish Objective 3 (Geometry) Lesson 2; Doggie Bags CD-Rom		
3.10 A	<ul style="list-style-type: none"> <li>locate and name points on a line using whole numbers and fractions such as halves</li> </ul>	Appetizers 3.10A; Main Dish Objective 2 (Mathematical Relations) Lesson 3; Doggie Bags CD-Rom		
<b>Domain: Measurement</b>				
3.11 A	<ul style="list-style-type: none"> <li>estimate and measure lengths using standard units such as inch, foot, yard, centimeter, decimeter, and meter</li> </ul>	Appetizers 3.11A; 10; Main Dish Objective 4 (Measurement) Lesson 2; 10 (Estimation); Doggie Bags CD-Rom		
3.11 B	<ul style="list-style-type: none"> <li>use linear measure to find the perimeter of a shape</li> </ul>	Appetizers 3.11B; Main Dish Objective 4 (Measurement) Lesson 5; Doggie Bags CD-Rom		

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3.11 C	• <i>use concrete models of square units to determine the area of shapes</i>	Appetizers 3.11C; Main Dish Objective 4 (Measurement) Lesson 6; Doggie Bags CD-Rom		
3.12 A	• <i>tell and write time shown on traditional and digital clocks</i>	Appetizers 3.12A; Main Dish Objective 4 (Measurement) Lesson 1; Doggie Bags CD-Rom		
3.12 B	• <i>use a thermometer to measure temperature</i>	Appetizers 3.12B; Main Dish Objective 4 (Measurement) Lesson 3; Doggie Bags CD-Rom		
3.13 A	• <i>solve problems involving length, area, temperature, and time</i>	Appetizers 3.13A; Main Dish Objective 4 (Measurement) Lessons 1, 2, 3, & 6; 10 (Estimation); Doggie Bags CD-Rom		
<b>Domain: Probability and Statistics</b>				
3.14 A	• <i>collect, organize, record, and display data in pictographs and bar graphs where each picture or cell might represent more than one piece of data</i>	Appetizers 3.14A; Main Dish Objective 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3 Doggie Bags CD-Rom		
3.14 B	• <i>interpret information from pictographs and bar graphs</i>	Appetizers 3.14B; Main Dish Objective 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3; Doggie Bags CD-Rom		
3.14 C	• <i>use data to describe events as more likely, less likely, or equally likely</i>	Appetizers 3.14C; Main Dish Objective 5 (Probability/Statistics) Extension Lesson; Doggie Bags CD-Rom		

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	<b>Domain: Underlying Processes and Mathematical Tools</b>			
<b>3.15 A</b>	<ul style="list-style-type: none"> <li>• <i>identify the mathematics in everyday situations</i></li> </ul>	Appetizers; Main Dish Objectives 1 through 13 ; Doggie Bags CD-Rom		
<b>3.15 B</b>	<ul style="list-style-type: none"> <li>• <i>use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness</i></li> </ul>	Appetizers 3.15B; Main Dish Objective 11 (Problem Solving); 12 (Mathematical Representation); 13 (Reasonableness); Doggie Bags CD-Rom		
<b>3.15 C</b>	<ul style="list-style-type: none"> <li>• <i>select or develop an appropriate problem-solving strategy, 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</i></li> </ul>	Appetizers 3.15C; Main Dish Objectives 1 through 13; Doggie Bags CD-Rom		
<b>3.16 B</b>	<ul style="list-style-type: none"> <li>• <i>relate informal language to mathematical language and symbols</i></li> </ul>	Appetizers; Main Dish Objectives 1 through 13; Doggie Bags CD-Rom		
<b>3.17 A</b>	<ul style="list-style-type: none"> <li>• <i>make generalizations from patterns or sets of examples and non-examples</i></li> </ul>	Appetizers 3.17A; Main Dish Objective 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lessons 1 & 4; 13 (Reasonableness) Lesson 3; Doggie Bags CD-Rom		