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| **Benchmarks** | **Example Garden Lessons** | | | | | | | |
| **Standard 1: Numbers and Operations: NUMBER SENSE: Understand numbers, ways of representing numbers, relationships among numbers, and number systems** | | | | | | | | | |
| MA.3.1.1 – Represent numbers from 100s to 10,000s | |  | | | | | | | |
| MA.3.1.2 – Odd and even numbers | |  | | | | | | | |
| MA.3.1.3 – Compare and order fractions | |  | | | | | | | |
| MA.3.1.4 – Use fractions to solve problems | |  | | | | | | | |
| **Standard 2: Numbers and Operations: OPERATION SENSE: Understand the meaning of operations and how they relate to each other** | | | | | | | | | |
| MA.3.2.1-Student can write a multiplication number sentence | |  | | | | | | | |
| MA.3.2.2 –Can select appropriate strategy: multiplication or division | |  | | | | | | | |
| MA.3.2.3 – Demonstrate how multiplication and division can “undo” each other | |  | | | | | | | |
| MA.3.2.4 – Use addition to solve problems | |  | | | | | | | |
| **Standard 3: Numbers and Operations: COMPUTATION STRATEGIES: Use computational tools and strategies fluently and, when appropriate, use estimation** | | | | | | | | | |
| MA. 3.3.1 –Recall multiplication facts to x10 | |  | | | | | | | |
| MA.3.3.2 –Addition and Subtraction with 2 and 3 digit numbers | |  | | | | | | | |
| MA.3.3.3 – Estimate results of whole number calculations | |  | | | | | | | |
| **Standard 4: Measurement: FLUENCY WITH MEASUREMENT: Understand attributes, units, and systems of units in measurement; and develop and use techniques, tools, and formulas for measuring** | | | | | | | | | |
| MA.3.4.1- Describe area and volume | |  | | | | | | | |
| MA. 3.4.2 – Measure area and volume with standard and non-standard measurements | |  | | | | | | | |
| MA.3.4.3 – Measure length, capacity, and weight pounds and metric | |  | | | | | | | |
| MA.3.4.4- Determine elapsed time between 2 events | |  | | | | | | | |
| MA.3.4.5 –Select appropriate tools for measuring length, capacity, and weight | |  | | | | | | | |
| MA.3.4.6 – Measure perimeter | |  | | | | | | | |
| **Standard 5: Geometry and Spatial Sense: PROPERTIES AND RELATIONSHIPS: Analyze properties of objects and relationships among the properties** | | | | | | | | | |
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| MA. 3.5.1-Compare properties of triangles (isosceles, equilateral, and right) | |  | | | | | | | |
| MA.3.5.2- Classify shapes as congruent or similar | |  | | | | | | | |
| **Standard 6: Geometry and Spatial Sense: TRANSFORMATIONS AND SYMMETRY: Use transformations and symmetry to analyze mathematical situations** | | | | | | | | | |
| MA.3.6.1 –Predict and confirm flipping, sliding and turning shapes | |  | | | | | | | |
| MA.3.6.2 – Use flips, slides, and turns to show symmetry | |  | | | | | | | |
| MA. 3.6.3 – Recognize rotational symmetry of plane figures | |  | | | | | | | |
| **Standard 7: Geometry and Spatial Sense: VISUAL AND SPATIAL SENSE: Use visualization and spatial reasoning to solve problems both within and outside of mathematics** | | | | | | | | | |
| MA.3.7 – No Benchmark | |  | | | | | | | |
| **Standard 8: Geometry and Spatial Sense: REPRESENTATIONAL SYSTEMS: Select and use different representational systems, including coordinate geometry** | | | | | | | | | |
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| MA.3.8.1 – Use coordinates to locate an object on a grid | | |  | | | | | | |
| **Standard 9: Patterns, Functions, and Algebra: PATTERNS AND FUNCTIONAL RELATIONSHIPS: Understand various types of patterns and functional relationships** | | | | | | | | | |
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| MA.3.9.1 – Create and describe growing and spatial patterns | | |  | | | | | | |
| MA.3.9.2 – Use patterns to solve problems in which one quantity changes as the other changes | | |  | | | | | | |
| MA.3.9.3 –Describe patterns in a 100s chart | | |  | | | | | | |
| **Standard 10: Patterns, Functions, and Algebra: SYMBOLIC REPRESENTATION: Use symbolic forms to represent, model, and analyze mathematical situations** | | | | | | | | | |
| MA.3.10.1- Multiplication and Division of whole numbers using number sentences, objects, and pictures | | |  | | | | | |
| MA.3.10.2- Identify situations involving change and describe with numbers | | |  | | | | | |
| **Standard 11: Data Analysis, Statistics, and Probability: FLUENCY WITH DATA: Pose questions and collect, organize, and represent data to answer those questions** | | | | | | | | |
| MA.3.11.1 – Pose questions, collect data, organize data into charts and graphs | | | |  | | | |
| MA.3.11.2 – Organize and represent data in more than one way | | | |  | | | |
| **Standard 12: Data Analysis, Statistics, and Probability: STATISTICS: Interpret data using methods of exploratory data analysis** | | | | | | | |
| MA.3.12.1-Interpret data and state what it shows | | | | |  | | |
| **Standard 13: Data Analysis, Statistics, and Probability: DATA ANALYSIS: Develop and evaluate inferences, predictions, and arguments that are based on data** | | | | | | | |
| MA.3.13.1 – Answer questions based on data represented on graphs | | | | | |  | |
| **Standard 14: Data Analysis, Statistics, and Probability: PROBABILITY: Understand and apply basic notions of chance and probability** | | | | | | | |
| MA.3.14.1 – Make a reasonable prediction about the likelihood of an event occurring | | | | | | |  |