

Mathematics
“Year-at-a-Glance”
Grade 3

Units of Study	PA Core Standards for Mathematics
<p>Unit: Money</p> <ul style="list-style-type: none"> • Make Change • Count Coins and Bills • Compare Values of Money • Problem Solving Throughout Unit 	<p>M03.D-M.1.3.1 M03.D-M.1.3.2 M03.D-M.1.3.3</p>
<p>Unit: Numbers and Operations in Base 10</p> <ul style="list-style-type: none"> • Rounding Numbers • Addition Strategies up to 4-Digit Numbers (w/ and w/o regrouping) For Fluency • Re-Subtraction Strategies up to 4-Digit Numbers (w/ and w/o regrouping) For Fluency • Problem Solving-Reasonableness • Comparing/Ordering Numbers • Making sense of addition and subtraction equations • Problem Solving Throughout Unit 	<p>M03.A-T.1.1.1 M03.A-T.1.1.2 M03.A-T.1.1.4 MA.3.NBT.A.2 M03.B-0.3.1.3 M03.B-0.3.1.7</p>
<p>Unit: Multiplication</p> <ul style="list-style-type: none"> • Find a Missing Number • Multiplication-Solve Problems Within 100 • Multiply 1 digit Whole Numbers by Multiples of 10 • Identify the Correct Operation in Problem Solving • Properties of Multiplication • Use Multiplication in Problem Solving • Problem Solving Throughout Unit 	<p>M03.B-0.1.1.1 M03.B-0.1.2.1 M03.B-0.1.2.2 M03.B-0.2.1.1 M03.B-0.2.1.2 M03.B-0.3.1.5 M03.A-T.1.1.3</p>
<p>Unit: Division</p> <ul style="list-style-type: none"> • Division as equal sharing • Division as inverse operation of multiplication • Division as repeated subtraction • Division-solve problems within 100 • Problem Solving Throughout Unit 	<p>M03.B-0.1.1.2 M03.B-0.1.2.1 M03.B-0.1.2.2 M03.B-0.2.2.1</p>
<p>Unit: Fractions</p> <ul style="list-style-type: none"> • Write Fractions as Parts of a Whole/Set • Fractions on a Number Line • Drawing/Number Line Representation of fractions • Equivalent Fractions/Comparing Fractions • Comparing Fractions • Represent Whole Numbers as Fractions • Problem Solving Throughout Unit 	<p>M03.A-F.1.1.1 M03.A-F.1.1.2 M03.A-F.1.1.3 M03.A-F.1.1.4 M03.A-F.1.1.5</p>

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Unit: Geometry <ul style="list-style-type: none"> • Attributes of Two-Dimensional Shapes • Attributes of Quadrilaterals • Combining and Separating Shapes • Problem Solving Throughout Unit 	M03.C-G.1.1.1 M03.C-G.1.1.2 M03.C-G.1.1.3 MA.3.G.A.1
Unit: Time <ul style="list-style-type: none"> • Telling Time to the Nearest Minute • Elapsed Time • Problem Solving Throughout Unit 	M03.D-M.1.1.1 M03.D-M.1.1.2
Unit: Perimeter/Area <ul style="list-style-type: none"> • Perimeter • Area • Problem Solving Throughout Unit 	M03.D-M.3.1.1 M03.D-M.3.1.2 M03.D-M.4.1.1
Unit: Measurement <ul style="list-style-type: none"> • Measuring Length • Measuring Liquid Volume • Units of Mass • Problem Solving Throughout Unit 	M03.D-M.1.2.1 M03.D-M.1.2.2 M03.D-M.1.2.3
Unit: Data Analysis <ul style="list-style-type: none"> • Interpreting Graphs, Tables and Charts • Creating Graphs, Tables, and Charts • Line Plots • Problem Solving Throughout Unit 	M03.D-M.2.1.1 M03.D-M.2.1.2 M03.D-M.2.1.3 M03.D-M.2.1.4
Unit: Operations & Algebraic Thinking- Problem Solving <ul style="list-style-type: none"> • Create/Match Story to Given Combination of Symbols • Word Problems-Choose the Operation • Multi-Step Problems • Patterns • Problem Solving Strategies • Problem Solving Methods • Operations of Problem Solving • Problem Solving Throughout Unit 	M03.B-0.3.1.1 M03.B-0.3.1.2 M03.B-0.3.1.3 M03.B-0.3.1.4 M03.B-0.3.1.5 M03.B-0.3.1.6 M03.B-0.3.1.7 MA.3.0A.D.8

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<p>Unit: Review of Concepts not in Essential Content Standards</p> <ul style="list-style-type: none">• Measuring Weight• Number Word Names• Odd/Even Numbers• Symbolic Representation of Numbers• Ordinal Numbers• Name/Identify Three-Dimensional Shapes• Identify/Draw One Line of Symmetry in 2-dimen. Fig• Identify Symmetrical 2-Dimensional Shapes• Order Values of Money• Meaning of Multiplication• Reading and Writing Numbers• Digit Value Relationships• Problem Solving Throughout Unit	