

# Knowre Math: **Grade 2** Curriculum

## Chapter 1 Basic Addition Facts

| Lesson                                     | Topic                                                   | AZ Standards           |
|--------------------------------------------|---------------------------------------------------------|------------------------|
| 1-1 Points on Number Lines                 | A) Points on Number Lines                               | 2.MD.6                 |
|                                            | B) Distance Between Points on a Number Line             |                        |
| 1-2 Moving Points on Number Lines          | A) Moving Points to the Right and Left on a Number Line | 2.MD.6                 |
| 1-3 Counting On                            | A) Counting On to Add One-Digit Numbers                 | 2.OA.2, 2.MD.6         |
| 1-4 Using Number Lines to Make Ten         | A) Adding to Ten                                        | 2.OA.1, 2.OA.2, 2.MD.6 |
|                                            | B) Counting On to Add Ten and a One-Digit Number        |                        |
| 1-5 Making Ten to Add                      | A) Adding by Making Ten                                 | 2.OA.1, 2.OA.2         |
| 1-6 Adding One-Digit Numbers               | A) Adding One-Digit Numbers                             | 2.OA.1, 2.OA.2         |
| 1-7 Adding Three or More One-Digit Numbers | A) Adding Ten and a One-Digit Number                    | 2.OA.2                 |
|                                            | B) Adding Three or More One-Digit Numbers               |                        |

## Chapter 2 Basic Subtraction Facts

| Lesson                                            | Topic                                                                   | AZ Standards   |
|---------------------------------------------------|-------------------------------------------------------------------------|----------------|
| 2-1 Counting Back                                 | A) Counting Back to Subtract One-Digit Numbers                          | 2.OA.2         |
| 2-2 Making Ten to Subtract                        | A) Differences of Ten                                                   | 2.OA.1, 2.OA.2 |
|                                                   | B) Subtracting One-Digit Numbers by Making Ten                          |                |
| 2-3 Subtracting within Twenty                     | A) Differences Less Than Ten When Subtracting One-Digit Numbers         | 2.OA.1, 2.OA.2 |
| 2-4 Addition Expressions                          | A) Parts of Addition Sentences                                          | 2.OA.1         |
|                                                   | B) Addition Expressions and Equations                                   |                |
| 2-5 Subtraction Expressions                       | A) Parts of Subtraction Sentences                                       | 2.OA.1         |
|                                                   | B) Subtraction Expressions and Equations                                |                |
|                                                   | C) Expressions with More Than One Addition and/or Subtraction Operation |                |
| 2-6 Relationship Between Addition and Subtraction | A) Using Addition Sentences to Write Related Subtraction Sentences      | 2.OA.1         |
|                                                   | B) Missing Numbers in Addition Sentences                                |                |
|                                                   | C) Using Subtraction Sentences to Write Related Addition Sentences      |                |
|                                                   | D) Missing Numbers in Subtraction Sentences                             |                |

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## Chapter 3 Numbers Less than 100

| Lesson                                              | Topic                                                    | AZ Standards |
|-----------------------------------------------------|----------------------------------------------------------|--------------|
| 3-1 Models of Numbers Less Than 100 – No Regrouping | A) Modeling Numbers to 20 with Ones                      | 2.NBT.3      |
|                                                     | B) Regrouping Ones                                       |              |
|                                                     | C) Tens and Ones to Write Numbers                        |              |
| 3-2 Models of Numbers Less Than 100 – Regrouping    | A) Using Base Ten Blocks to Model Numbers                | 2.NBT.3      |
| 3-3 Place Values of Numbers Less Than 100           | A) Place Values Less Than Hundreds                       | 2.NBT.3      |
| 3-4 Expanded Form of Numbers Less Than 100          | A) Expanded and Standard Form of Numbers                 | 2.NBT.3      |
| 3-5 Reading and Writing Numbers Less Than 100       | A) Reading and Writing One-Digit Numbers                 | 2.NBT.3      |
|                                                     | B) Reading and Writing Two-Digit Numbers                 |              |
| 3-6 Counting by Ones, Fives, and Tens within 100    | A) Counting by Ones                                      | 2.NBT.2      |
|                                                     | B) Counting by Tens                                      |              |
|                                                     | C) Counting by Fives                                     |              |
| 3-7 Adding and Subtracting Ten                      | A) Adding Ten to a Two-Digit Number                      | 2.NBT.2      |
|                                                     | B) Subtracting Ten from a Two-Digit Number               |              |
| 3-8 Ordinal Numbers                                 | A) Ordinal Position of Objects – First Through Twentieth |              |
| 3-9 Even and Odd Numbers to 20                      | A) Even and Odd Numbers                                  | 2.OA.3       |
| 3-10 Even Numbers                                   | A) Writing Numbers as the Sum of Two Equal Addends       | 2.OA.3       |
| 3-11 Comparing Numbers Less Than 100                | A) Inequality and Equality Symbols and Phrases           | 2.NBT.4      |
|                                                     | B) Base Ten Blocks to Compare Numbers                    |              |
|                                                     | C) Place Values to Compare Numbers                       |              |
|                                                     | D) Comparing Numbers                                     |              |

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## Chapter 4 Add Whole Numbers: Sums Less Than 100

| Lesson                                                  | Topic                                                                             | AZ Standards                               |
|---------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------|
| 4-1 Add One-Digit and Two-Digit Numbers - No Regrouping | A) Base Ten Blocks to Add One-Digit and Two-Digit Numbers without Regrouping      | 2.OA.1, 2.NBT.5, 2.NBT.7, 2.NBT.9          |
|                                                         | B) Place Values to Add One-Digit and Two-Digit Numbers without Regrouping         |                                            |
|                                                         | C) Adding One-Digit and Two-Digit Numbers without Regrouping                      |                                            |
| 4-2 Add One-Digit and Two-Digit Numbers - Regrouping    | A) Base Ten Blocks to Add One-Digit and Two-Digit Numbers with Regrouping of Ones | 2.OA.1, 2.NBT.5, 2.NBT.7, 2.NBT.9          |
|                                                         | B) Place Values to Add One-Digit and Two-Digit Numbers with Regrouping of Ones    |                                            |
|                                                         | C) Adding One-Digit and Two-Digit Numbers with Regrouping of Ones                 |                                            |
| 4-3 Add Two-digit Numbers - No Regrouping               | A) Base Ten Blocks to Add Two-Digit Numbers without Regrouping                    | 2.OA.1, 2.NBT.5, 2.NBT.6, 2.NBT.7, 2.NBT.9 |
|                                                         | B) Place Values to Add Two-Digit Numbers without Regrouping                       |                                            |
|                                                         | C) Adding Two-Digit Numbers without Regrouping                                    |                                            |
| 4-4 Add Two-digit Numbers - Regrouping                  | A) Base Ten Blocks to Add Two-Digit Numbers with Regrouping of Ones               | 2.OA.1, 2.NBT.5, 2.NBT.6, 2.NBT.7, 2.NBT.9 |
|                                                         | B) Place Values to Add Two-Digit Numbers with Regrouping of Ones                  |                                            |
|                                                         | C) Adding Two-Digit Numbers with Regrouping of Ones                               |                                            |

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## Chapter 5 Subtract Whole Numbers: Minuends Less Than 100

| Lesson                                                          | Topic                                                                             | AZ Standards                               |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------|
| 5-1 One- and Two-Digit Differences - No Regrouping              | A) Base Ten Blocks to Subtract One-Digit and Two-Digit Numbers without Regrouping | 2.OA.1, 2.NBT.5, 2.NBT.7, 2.NBT.9          |
|                                                                 | B) Place Values to Subtract One-Digit and Two-Digit Numbers without Regrouping    |                                            |
|                                                                 | C) Subtracting One-Digit and Two-Digit Numbers without Regrouping                 |                                            |
| 5-2 One- and Two-Digit Differences - Regrouping                 | A) Base Ten Blocks to Subtract One-Digit and Two-Digit Numbers with Regrouping    | 2.OA.1, 2.NBT.5, 2.NBT.7, 2.NBT.9          |
|                                                                 | B) Place Values to Subtract One-Digit and Two-Digit Numbers with Regrouping       |                                            |
|                                                                 | C) Subtracting One-Digit and Two-Digit Numbers with Regrouping                    |                                            |
| 5-3 Subtract Two-Digit Numbers - No Regrouping                  | A) Base Ten Blocks to Subtract Two-Digit Numbers without Regrouping               | 2.OA.1, 2.NBT.5, 2.NBT.7, 2.NBT.9          |
|                                                                 | B) Place Values to Subtract Two-Digit Numbers without Regrouping                  |                                            |
|                                                                 | C) Subtracting Two-Digit Numbers without Regrouping                               |                                            |
| 5-4 Subtract Two-Digit Numbers - Regrouping                     | A) Base Ten Blocks to Subtract Two-Digit Numbers with Regrouping                  | 2.OA.1, 2.NBT.5, 2.NBT.7, 2.NBT.9          |
|                                                                 | B) Place Values to Subtract Two-Digit Numbers with Regrouping                     |                                            |
|                                                                 | C) Subtracting Two-Digit Numbers with Regrouping                                  |                                            |
| 5-5 Adding or Subtracting Three or More Numbers - Less Than 100 | A) Adding Three or More One-Digit Numbers                                         | 2.OA.1, 2.NBT.5, 2.NBT.6, 2.NBT.7, 2.NBT.9 |
|                                                                 | B) Adding Three or More One-Digit or Two-Digit Numbers                            |                                            |
|                                                                 | C) Subtracting Three or More One-Digit or Two-Digit Numbers                       |                                            |
|                                                                 | D) Adding and Subtracting Three or More One-Digit or Two-Digit Numbers            |                                            |

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## Chapter 6 Numbers Less Than 1,000

| Lesson                                            | Topic                                               | AZ Standards                        |
|---------------------------------------------------|-----------------------------------------------------|-------------------------------------|
| 6-1 Using Models to Make Numbers Less Than 1,000  | A) Using Base Ten Blocks to Model Numbers           | 2.NBT.1.a,<br>2.NBT.1.b,<br>2.NBT.3 |
| 6-2 Using Models to Write Numbers Less Than 1,000 | A) Using Base Ten Blocks to Write Numbers           | 2.NBT.1.a,<br>2.NBT.1.b,<br>2.NBT.3 |
| 6-3 Place Values of Numbers Less Than 1,000       | A) Place Values Less Than Thousands                 | 2.NBT.1.a,<br>2.NBT.1.b,<br>2.NBT.3 |
| 6-4 Expanded Form of Numbers Less Than 1,000      | A) Expanded and Standard Form of Numbers            | 2.NBT.1.a,<br>2.NBT.1.b,<br>2.NBT.3 |
| 6-5 Reading and Writing Numbers Less Than 1,000   | A) Reading and Writing Three-Digit Numbers in Words | 2.NBT.3                             |
| 6-6 Counting by Ones within 1,000                 | A) Counting by Ones                                 | 2.NBT.2                             |
| 6-7 Counting by Tens within 1,000                 | A) Counting by Tens                                 | 2.NBT.2, 2.NBT.8                    |
|                                                   | B) Adding Ten to a Three-Digit Number               |                                     |
|                                                   | C) Subtracting Ten from a Three-Digit Number        |                                     |
| 6-8 Counting by Hundreds within 1,000             | A) Counting by Hundreds                             | 2.NBT.2, 2.NBT.8                    |
|                                                   | B) Adding One Hundred                               |                                     |
|                                                   | C) Subtracting One Hundred                          |                                     |
| 6-9 Counting by Fives within 1,000                | A) Counting by Fives                                | 2.NBT.2                             |
| 6-10 Comparing Numbers Less Than 1,000            | A) Base Ten Blocks to Compare Numbers               | 2.NBT.4                             |
|                                                   | B) Place Values to Compare Numbers                  |                                     |
|                                                   | C) Comparing Numbers                                |                                     |

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## Chapter 7 Add Whole Numbers: Sums Less Than 1,000

| Lesson                                                      | Topic                                                                                       | AZ Standards              |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------|
| 7-1 Add Two-Digit Numbers                                   | A) Using Models to Add Two Two-Digit Numbers - One Regrouping                               | 2.NBT.6, 2.NBT.7, 2.NBT.9 |
|                                                             | B) Standard Algorithm to Add Two Two-Digit Numbers - One Regrouping                         |                           |
| 7-2 Add Two-Digit and One-Digit Numbers                     | A) Using Models to Add One-Digit and Two-Digit Numbers - Sum is 100 or More                 | 2.NBT.6, 2.NBT.7, 2.NBT.9 |
|                                                             | B) Standard Algorithm to Add One-Digit and Two-Digit Numbers - Sum is 100 or More           |                           |
| 7-3 Add Two-Digit Numbers - Two Regroupings                 | A) Using Models to Add Two Two-Digit Numbers - Sum is 100 or More and Two Regroupings       | 2.NBT.6, 2.NBT.7, 2.NBT.9 |
|                                                             | B) Standard Algorithm to Add Two Two-Digit Numbers - Sum is 100 or More and Two Regroupings |                           |
| 7-4 Add Three-Digit and One-Digit Numbers - No Regrouping   | A) Using Models to Add One-Digit and Three-Digit Numbers - No Regrouping                    | 2.NBT.7, 2.NBT.9          |
|                                                             | B) Standard Algorithm to Add One-Digit and Three-Digit Numbers - No Regrouping              |                           |
| 7-5 Add Three-Digit and One-Digit Numbers - One Regrouping  | A) Using Models to Add One-Digit and Three-Digit Numbers - One Regrouping                   | 2.NBT.7, 2.NBT.9          |
|                                                             | B) Standard Algorithm to Add One-Digit and Three-Digit Numbers - One Regrouping             |                           |
| 7-6 Add Three-Digit and One-Digit Numbers - Two Regroupings | A) Using Models to Add One-Digit and Three-Digit Numbers - Two Regroupings                  | 2.NBT.7, 2.NBT.9          |
|                                                             | B) Standard Algorithm to Add One-Digit and Three-Digit Numbers - Two Regroupings            |                           |
| 7-7 Add Three-Digit and Two-Digit Numbers - No Regrouping   | A) Using Models to Add Two-Digit and Three-Digit Numbers - No Regrouping                    | 2.NBT.7, 2.NBT.9          |
|                                                             | B) Standard Algorithm to Add Two-Digit and Three-Digit Numbers - No Regrouping              |                           |
| 7-8 Add Three-Digit and Two-Digit Numbers - One Regrouping  | A) Using Models to Add Two-Digit and Three-Digit Numbers - One Regrouping                   | 2.NBT.7, 2.NBT.9          |
|                                                             | B) Standard Algorithm to Add Two-Digit and Three-Digit Numbers - One Regrouping             |                           |
| 7-9 Add Three-Digit and Two-Digit Numbers - Two Regroupings | A) Using Models to Add Two-Digit and Three-Digit Numbers - Two Regroupings                  | 2.NBT.7, 2.NBT.9          |
|                                                             | B) Standard Algorithm to Add Two-Digit and Three-Digit Numbers - Two Regroupings            |                           |

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## Chapter 7 Add Whole Numbers: Sums Less Than 1,000 (cont.)

| Lesson                                             | Topic                                                                              | AZ Standards              |
|----------------------------------------------------|------------------------------------------------------------------------------------|---------------------------|
| 7-10 Add Two Three-Digit Numbers – No Regrouping   | A) Using Models to Add Two Three-Digit Numbers - No Regrouping                     | 2.NBT.7, 2.NBT.9          |
|                                                    | B) Standard Algorithm to Add Two Three-Digit Numbers - No Regrouping               |                           |
| 7-11 Add Two Three-Digit Numbers – One Regrouping  | A) Using Models to Add Two Three-Digit Numbers - One Regrouping                    | 2.NBT.7, 2.NBT.9          |
|                                                    | B) Standard Algorithm to Add Two Three-Digit Numbers - One Regrouping              |                           |
| 7-12 Add Two Three-Digit Numbers – Two Regroupings | A) Using Models to Add Two Three-Digit Numbers - Two Regroupings                   | 2.NBT.7, 2.NBT.9          |
|                                                    | B) Standard Algorithm to Add Two Three-Digit Numbers - Two Regroupings             |                           |
| 7-13 Horizontal Addition                           | A) Adding a One- or Two-Digit Number to a Two-Digit Number with Regrouping of Tens | 2.NBT.6, 2.NBT.7, 2.NBT.9 |
|                                                    | B) Adding a One-, Two-, or Three-Digit Number to a Three-Digit Number              |                           |
|                                                    | C) Adding Three or More One-Digit and Two-Digit Numbers                            |                           |

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## Chapter 8 Subtract Whole Numbers: Minuends Less Than 1,000

| Lesson                                                                    | Topic                                                                                             | AZ Standards     |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------|
| 8-1 Subtract One-Digit Numbers from Three-Digit Numbers - No Regrouping   | A) Using Models to Subtract One-Digit and Three-Digit Numbers - No Regrouping                     | 2.NBT.7, 2.NBT.9 |
|                                                                           | B) Standard Algorithm to Subtract One-Digit and Three-Digit Numbers - No Regrouping               |                  |
| 8-2 Subtract One-Digit Numbers from Three-Digit Numbers - One Regrouping  | A) Using Models to Subtract One-Digit and Three-Digit Numbers - One Regrouping                    | 2.NBT.7, 2.NBT.9 |
|                                                                           | B) Standard Algorithm to Subtract One-Digit and Three-Digit Numbers - One Regrouping              |                  |
| 8-3 Subtract Two-Digit Numbers from Three-Digit Numbers - No Regrouping   | A) Using Models to Subtract Two-Digit and Three-Digit Numbers - No Regrouping                     | 2.NBT.7, 2.NBT.9 |
|                                                                           | B) Standard Algorithm to Subtract Two-Digit and Three-Digit Numbers - No Regrouping               |                  |
| 8-4 Subtract Two-Digit Numbers from Three-Digit Numbers - One Regrouping  | A) Using Models to Subtract Two-Digit and Three-Digit Numbers - One Regrouping                    | 2.NBT.7, 2.NBT.9 |
|                                                                           | B) Standard Algorithm to Subtract Two-Digit and Three-Digit Numbers - One Regrouping              |                  |
| 8-5 Subtract Two-Digit Numbers from Three-Digit Numbers - Two Regroupings | A) Using Models to Subtract Two-Digit and Three-Digit Numbers - Two Regroupings                   | 2.NBT.7, 2.NBT.9 |
|                                                                           | B) Standard Algorithm to Subtract Two-Digit and Three-Digit Numbers - Two Regroupings             |                  |
| 8-6 Subtract Two Three-Digit Numbers - No Regrouping                      | A) Using Models to Subtract Three-Digit Numbers - No Regrouping                                   | 2.NBT.7, 2.NBT.9 |
|                                                                           | B) Standard Algorithm to Subtract Three-Digit Numbers - No Regrouping                             |                  |
| 8-7 Subtract Two Three-Digit Numbers - One Regrouping                     | A) Using Models to Subtract Three-Digit Numbers - One Regrouping                                  | 2.NBT.7, 2.NBT.9 |
|                                                                           | B) Standard Algorithm to Subtract Three-Digit Numbers - One Regrouping                            |                  |
| 8-8 Subtract Two Three-Digit Numbers - Two Regroupings                    | A) Using Models to Subtract Three-Digit Numbers                                                   | 2.NBT.7, 2.NBT.9 |
|                                                                           | B) Standard Algorithm to Subtract Three-Digit Numbers                                             |                  |
| 8-9 Subtract One-Digit Numbers from Three-Digit Numbers Across Zeros      | A) Using Models to Subtract One-Digit and Three-Digit Numbers - Two Regroupings Across Zero       | 2.NBT.7, 2.NBT.9 |
|                                                                           | B) Standard Algorithm to Subtract One-Digit and Three-Digit Numbers - Two Regroupings Across Zero |                  |



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## Chapter 8 Subtract Whole Numbers: Minuends Less Than 1,000 (cont.)

| Lesson                                                                | Topic                                                                                             | AZ Standards              |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------|
| 8-10 Subtract Two-Digit Numbers from Three-Digit Numbers Across Zeros | A) Using Models to Subtract Two-Digit and Three-Digit Numbers - Two Regroupings Across Zero       | 2.NBT.7, 2.NBT.9          |
|                                                                       | B) Standard Algorithm to Subtract Two-Digit and Three-Digit Numbers - Two Regroupings Across Zero |                           |
| 8-11 Subtract Two Three-Digit Numbers Across Zeros                    | A) Using Models to Subtract Three-Digit Numbers - Two Regroupings Across Zero                     | 2.NBT.7, 2.NBT.9          |
|                                                                       | B) Standard Algorithm to Subtract Three-Digit Numbers - Two Regroupings Across Zero               |                           |
| 8-12 Horizontal Subtraction                                           | A) Subtracting from Three-Digit Numbers                                                           | 2.NBT.7, 2.NBT.9          |
|                                                                       | B) Subtracting Three or More Numbers Horizontally                                                 |                           |
|                                                                       | C) Adding and Subtracting Three or More Numbers Horizontally                                      |                           |
| 8-13 Relationship Between Addition and Subtraction - Less Than 1,000  | A) Missing Numbers in Addition Sentences                                                          | 2.NBT.5, 2.NBT.7, 2.NBT.9 |
|                                                                       | B) Missing Numbers in Subtraction Sentences                                                       |                           |

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## Chapter 9 Measuring Lengths

| Lesson                                        | Topic                                           | AZ Standards           |
|-----------------------------------------------|-------------------------------------------------|------------------------|
| 9-1 Customary Units of Measurement - Inches   | A) Using Inches to Measure Objects              | 2.MD.1, 2.MD.3, 2.MD.5 |
| 9-2 Customary Units of Measurement - Feet     | A) Using Feet to Measure Objects                | 2.MD.1, 2.MD.3, 2.MD.5 |
| 9-3 Customary Units of Measurement - Yards    | A) Using Yards to Measure Objects               | 2.MD.1, 2.MD.3,        |
|                                               | B) Estimating with Customary Units of Length    | 2.MD.5                 |
| 9-4 Metric Units of Measurement - Centimeters | A) Using Centimeters to Measure                 | 2.MD.1, 2.MD.3, 2.MD.5 |
| 9-5 Metric Units of Measurement - Meters      | A) Using Meters to Measure                      | 2.MD.1, 2.MD.3,        |
|                                               | B) Estimating with Metric Units of Length       | 2.MD.5                 |
| 9-6 Comparing Lengths                         | A) Longer and Shorter                           | 2.MD.2, 2.MD.4,        |
|                                               | B) Comparing Measures of Length Between Systems | 2.MD.5                 |

## Chapter 10 Displays of Data

| Lesson                                | Topic                                    | AZ Standards |
|---------------------------------------|------------------------------------------|--------------|
| 10-1 Tally Marks and Frequency Tables | A) Understanding Tally Marks             | 2.MD.10      |
|                                       | B) Completing Frequency and Tally Tables |              |
| 10-2 Reading Tally Tables             | A) Reading Tally Tables                  | 2.MD.10      |
| 10-3 Making Pictographs               | A) Making Pictographs                    | 2.MD.10      |
| 10-4 Reading Pictographs              | A) Reading Pictographs                   | 2.MD.10      |
| 10-5 Making Bar Graphs                | A) Making Bar Graphs                     | 2.MD.10      |
| 10-6 Reading Bar Graphs               | A) Reading Bar Graphs                    | 2.MD.10      |
| 10-7 Making Line Plots                | A) Making Line Plots                     | 2.MD.9       |
| 10-8 Reading Line Plots               | A) Reading Line Plots                    |              |

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## Chapter 11 Two- and Three-Dimensional Figures

| Lesson                                          | Topic                                                         | AZ Standards  |
|-------------------------------------------------|---------------------------------------------------------------|---------------|
| 11-1 Attributes of Two-Dimensional Figures      | A) Sides, Angles, and Vertices of Two-Dimensional Figures     | 2.G.1         |
| 11-2 Identifying Two-Dimensional Figures        | A) Identifying Two-Dimensional Figures                        | 2.G.1         |
| 11-3 Identifying Two-Dimensional Shapes by Name | A) Using Attributes to Name a Figure                          | 2.G.1         |
|                                                 | B) Using the Name of a Figure to Identify Attributes          |               |
| 11-4 Attributes of Three-Dimensional Figures    | A) Vertices, Faces, and Edges of Three-Dimensional Figures    | 2.G.1         |
| 11-5 Identifying Three-Dimensional Figures      | A) Identifying Solids                                         | 2.G.1         |
|                                                 | B) Two-Dimensional Figures that Form Three-Dimensional Solids |               |
| 11-6 Rows and Columns in Arrays                 | A) Rows and Columns of Arrays                                 | 2.OA.4, 2.G.2 |
| 11-7 Arrays and Equal Groups                    | A) Using an Array to Write an Addition Expression             | 2.OA.4, 2.G.2 |
|                                                 | B) Finding the Size of an Array                               |               |
| 11-8 Equal Parts                                | A) Identifying Equal Parts                                    | 2.G.3         |
|                                                 | B) Naming Equal Parts                                         |               |
|                                                 | C) Equal Parts in a Whole                                     |               |

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## Chapter 12 Time and Money

| Lesson                                 | Topic                                             | AZ Standards |
|----------------------------------------|---------------------------------------------------|--------------|
| 12-1 Reading Time on Clocks            | A) Clockwise and Counterclockwise                 | 2.MD.7       |
|                                        | B) Reading Time on Analog Clocks                  |              |
| 12-2 Showing Time on Clocks            | A) Showing Time on Analog Clocks                  | 2.MD.7       |
| 12-3 Using Words to Tell Time          | A) Reading Time on Analog Clocks - Common Phrases | 2.MD.7       |
| 12-4 Showing Time on Clocks from Words | A) Showing time on Analog Clocks from Words       | 2.MD.7       |
| 12-5 Coins                             | A) Value Pennies                                  | 2.MD.8       |
|                                        | B) Value of Nickels                               |              |
|                                        | C) Value of Dimes                                 |              |
|                                        | D) Value of Quarters                              |              |
|                                        | E) Identifying Coins from Images and Values       |              |
| 12-6 Sets of Coins                     | A) Values of Sets of Mixed Coins                  | 2.MD.8       |
| 12-7 Dollars and Cents                 | A) Value of Dollars                               | 2.MD.8       |
|                                        | B) Values of Sets of Bills and Coins              |              |