

NUMERACY PROJECT TASKS AND ACTIVITIES

Stage One

- The following list of activities is designed to be used for a student who scores at Stage One on the Numeracy Assessment Universal Screener.
- Teachers and interventionists should choose activities in the areas in which the student was unable to demonstrate mastery of a particular skill in order to create an “Intervention Prescription”. These resources can be found by clicking on the activity name below.

1:1 <i>Rote counting 0-10</i>	1:2 <i>Saying the forwards and backwards number word sequence in the range 0-10, starting and ending with any number</i>	1:3 <i>Numeral recognition (0-10)</i>	1:4 <i>Number order: What comes before and after a given number in the range 0-10</i>	1:5 <i>Ordering the numbers in the range 0-10</i>
❖ Counting as We Go ❖ How Many Claps? ❖ How Many High 5s? ❖ Loud and Soft ❖ Number Fans ❖ Tick Tock ❖ Where Do I Go?	❖ Birthday Cakes ❖ Caterpillar Legs ❖ Clapping ❖ Count the Chimes ❖ Counting ❖ Counting as We Go ❖ Feed the Fish ❖ Flower Petals ❖ How Many High 5s? ❖ Lily Pads ❖ Loud and Soft ❖ Number Fans ❖ Number Line Flips ❖ Tick Tock ❖ Walk the Bridge	❖ Bean Bag Toss ❖ Birthday Cakes ❖ Caterpillar Legs ❖ Feed the Fish ❖ Flower Petals ❖ How Many Claps? ❖ How Many High 5s? ❖ Lily Pads ❖ Lucky Dip ❖ Match it Up ❖ Number Fans ❖ Number Line Flips ❖ Number Mat ❖ Pipe Cleaner Numbers ❖ Ten-Frames Game ❖ Walk the Bridge ❖ Where Do I Go?	❖ Before and After Game Within 10 ❖ Count the Chimes ❖ Feed the Fish ❖ How Many High 5s? ❖ Lily Pads ❖ Number Fans ❖ Number Line Flips ❖ Number Mat ❖ Walk the Bridge	❖ Card Ordering ❖ Feed the Fish ❖ Number Line Flips ❖ Rocket – Where Will I Fit? ❖ Who Has the Most Pennies?
1:6 <i>Counting sets 0-10</i>	1:7 <i>Forming sets 0-10</i>	1:8 <i>Comparing two sets in the range 0-10</i>	1:9 <i>Recognizing patterns to 5</i>	
❖ Birthday Cakes ❖ Caterpillar Legs ❖ Count the Chimes ❖ Facts to 10 ❖ Feed the Fish ❖ Flower Petals ❖ Give Me Ten ❖ How Many Cubes? ❖ How Many High 5s? ❖ How Many...?	❖ Match it Up ❖ Pipe Cleaner Number of Objects ❖ Ten-Frame Flashes – Empty Spaces ❖ Ten-Frames Game ❖ Ten-Frames Matching Game ❖ Toy Set	❖ Adding and Subtracting Number Sentences ❖ Birthday Cakes ❖ Caterpillar Legs ❖ Feed the Fish ❖ Flower Petals ❖ Give Me Ten ❖ How Many...? ❖ Number Fans ❖ Toy Set	❖ Comparing Sets of Claps ❖ Comparing Small Collections ❖ Comparisons with Counters ❖ Comparisons with Fingers to Five ❖ Number Comparisons ❖ Ten-Frame Flashes – Empty Spaces ❖ Ten-Frames Matching Game ❖ Who Has the Most Pennies?	
❖ Blast Off Within 5 ❖ Fabulous Fives ❖ Finger Patterns to Five ❖ How Many Claps in All? ❖ Rekenrek Patterns to Five ❖ Ten-Frame Flashes – Empty Spaces				

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Stage Two

- The following list of activities is designed to be used for a student who scores at Stage Two on the Numeracy Assessment Universal Screener.
- Teachers and interventionists should choose activities in the areas in which the student was unable to demonstrate mastery of a particular skill in order to create an “Intervention Prescription”. These resources can be found by clicking on the activity name below.

2:1 <i>Rote counting 0-20</i>	2:2 <i>Saying the forwards and backwards number word sequence in the range 0-20, starting and ending with any number</i>	2:3 <i>Numeral recognition 0-20</i>	2:4 <i>Number order: What comes before and after a given number in the range 0-20</i>	2:5 <i>Ordering the numbers in the range 0-20</i>	2:6 <i>Counting sets 0-20</i>
<ul style="list-style-type: none"> ❖ Apple Cards ❖ Clapping ❖ Count and Stop ❖ Counting ❖ Counting Mimes ❖ Counting as We Go ❖ High 5s to 20 ❖ Number Fans 	<ul style="list-style-type: none"> ❖ Before and After ❖ Clapping ❖ Counting ❖ Count and Stop ❖ Counting Mimes ❖ Counting as We Go ❖ High 5s to 20 ❖ Lily Pads ❖ Number Fans ❖ Number Mat ❖ Walk the Bridge 	<ul style="list-style-type: none"> ❖ Apple Cards ❖ Birthday Cake Candles ❖ Caterpillar Legs ❖ Feed the Elephants ❖ High 5s to 20 ❖ Lady Bug Gets Her Spots ❖ Lily Pads ❖ Lucky Dip ❖ Match it Up ❖ Number Fans ❖ Number Mat ❖ Pipe Cleaner Numbers ❖ Ten-Frames Game ❖ Toy Collection ❖ Walk the Bridge 	<ul style="list-style-type: none"> ❖ Before and After ❖ Counting Mimes ❖ High 5s to 20 ❖ Lily Pads ❖ Number Fans ❖ Number Mat ❖ Walk the Bridge 	<ul style="list-style-type: none"> ❖ Card Ordering ❖ Caterpillar Legs ❖ Counting as We Go ❖ High 5s to 20 ❖ Rocket – Where Will I Fit? ❖ Who is the Richest? 	<ul style="list-style-type: none"> ❖ Birthday Cake Candles ❖ Caterpillar Legs ❖ Chains ❖ High 5s to 20 ❖ How Many Drops? ❖ How Many Cubes? ❖ Lady Bug Gets Her Spots ❖ Match it Up ❖ Ten-Frame Flashes – Empty Spaces ❖ Ten-Frames Game ❖ Toy Collection
2:7 <i>Forming sets 0-20</i>	2:8 <i>Comparing two numbers in the range 0-20 using number cards</i>	2:9 <i>Instantly recognizing patterns to 10</i>	2:10 <i>Solving addition problems to 20 by joining sets and counting all the objects</i>	2:11 <i>Solving subtraction problems from 20 separating sets and counting all the objects</i>	
<ul style="list-style-type: none"> ❖ Birthday Cake Candles ❖ Caterpillar Legs ❖ Chains ❖ How Many Drops? ❖ Lady Bug Gets Her Spots ❖ Number Fans ❖ Toy Collection 	<ul style="list-style-type: none"> ❖ Comparisons with Number Cards ❖ Compatible Numbers to Ten ❖ Ten-Frame Flashes – Empty Spaces 	<ul style="list-style-type: none"> ❖ Adding and Subtracting with One Hand ❖ Both Hands ❖ Compatible Numbers to Ten ❖ Dinosaur Stomp ❖ Fabulous Fives ❖ Finger Patterns to 10 ❖ How Many Claps in All? ❖ Rekenrek Patterns to Ten 	<ul style="list-style-type: none"> ❖ Adding and Subtracting with One Hand ❖ Both Hands ❖ Challenging Hands Problems ❖ Dinosaur Stomp ❖ Joining Sets Using Counters ❖ Lady Bug Friends 	<ul style="list-style-type: none"> ❖ Both Hands ❖ Challenging Hands Problems ❖ Teens and Fingers 	

NUMERACY PROJECT TASKS AND ACTIVITIES

Stage Three

- The following list of activities is designed to be used for a student who scores at Stage Three on the Numeracy Assessment Universal Screener.
- Teachers and interventionists should choose activities in the areas in which the student was unable to demonstrate mastery of a particular skill in order to create an “Intervention Prescription”.
- These resources can be found by clicking on the activity name below.

3:1 <i>Rote counting 0-50</i>	3:2 <i>Saying the forwards and backwards number word sequence in the range 0-50, starting and ending with any number</i>	3:3 <i>Numeral recognition 0-50</i>	3:4 <i>Number order: What comes before and after a given number in the range 0-50</i>	3:5 <i>Ordering the numbers in the range 0-50</i>	3:6 <i>Counting up to 50 objects by grouping the objects in tens</i>
<ul style="list-style-type: none"> ❖ Bead Counting ❖ Clapping from 0-50 ❖ Counting As We Go ❖ Outdoor Counting 0-50 ❖ Puppet Counting 0-50 	<ul style="list-style-type: none"> ❖ Backwards, Forwards, and In-Between ❖ Clapping Forwards and Backwards ❖ Walk the Bridge 	<ul style="list-style-type: none"> ❖ Arrow Cards ❖ Birthday Cakes ❖ Caterpillar Legs ❖ Creating Numbers ❖ Lucky Counting ❖ Number Line Flips 	<ul style="list-style-type: none"> ❖ Lily Pads ❖ Number Line Flips – Before and After ❖ Number Wheel 	<ul style="list-style-type: none"> ❖ Clothesline Cards ❖ Who is the Richest? ❖ Rocket-Where will I Fit? 	<ul style="list-style-type: none"> ❖ Bead Strings ❖ Tens and Ones with Ten-Frames ❖ Tens in Tens
3:7 <i>Comparing two numbers in the range 0-50 using number cards</i>	3:8 <i>Instantly recognizing patterns to 10, including doubles</i>	3:9 <i>Recalling facts within 5, and doubles to 10</i>	3:10 <i>Solving addition problems to 20 by counting all the objects in their head</i>	3:11 <i>Solving subtraction problems from 20 by counting all the objects in their head</i>	3:12 <i>Solving addition and subtraction problems with decade numbers by counting tens in their head</i>
<ul style="list-style-type: none"> ❖ Comparisons with Number Cards ❖ Ten-Frame Comparisons ❖ Ten-Frame War 	<ul style="list-style-type: none"> ❖ Both Hands ❖ Compatible Numbers to Ten ❖ Rekenrek Patterns to Ten ❖ Rekenrek Reinforcing Five/Ten Grouping 	<ul style="list-style-type: none"> ❖ Adding and Subtracting with Counters ❖ Adding and Subtracting on One Hand ❖ Bowl A Fact ❖ Making Tens 	<ul style="list-style-type: none"> ❖ Counters in a Row ❖ In and Out of the Cup - Addition ❖ Ten-Frame Addition 	<ul style="list-style-type: none"> ❖ Heads Up ❖ Ten-Frame Subtraction ❖ Visualizing - Imagining Many Hands ❖ What’s Hidden? 	<ul style="list-style-type: none"> ❖ Adding and Subtracting Tens ❖ Tens Bingo ❖ Tens Disks

NUMERACY PROJECT TASKS AND ACTIVITIES

Stage Four

- The following list of activities is designed to be used for a student who scores at Stage Four on the Numeracy Assessment Universal Screener.
- Teachers and interventionists should choose activities in the areas in which the student was unable to demonstrate mastery of a particular skill in order to create an “Intervention Prescription”. These resources can be found by clicking on the activity name below.

4:1 <i>Rote counting 0-100</i>	4:2 <i>Saying the forwards and backwards number word sequence in the range 0-100, starting and ending with any number</i>	4:3 <i>Numeral recognition 0-100</i>	4:4 <i>Number order: What comes before and after a given number in the range 0-100</i>	4:5 <i>Ordering the numbers in the range 0-100</i>	4:6 <i>Comparing two numbers in the range 0-100 using number cards</i>
<ul style="list-style-type: none"> ❖ Clapping to 100 ❖ Counting to 100 ❖ Outdoor Counting 0 to 100 	<ul style="list-style-type: none"> ❖ Clapping Forwards and Backwards ❖ Outdoor Counting 0-100 - Forwards and Backwards ❖ Walk the Bridge 	<ul style="list-style-type: none"> ❖ Creating Numbers ❖ Lucky Dip ❖ Number Hangman ❖ Number Line Flips 	<ul style="list-style-type: none"> ❖ Lily Pads ❖ Number Line Flips – Before and After ❖ Number Wheel 	<ul style="list-style-type: none"> ❖ Arrow Cards ❖ Clothesline Cards ❖ Rocket – Where Will I Fit? ❖ Who is the Richest? 	<ul style="list-style-type: none"> ❖ Comparisons with Number Cards ❖ Comparing Two-Digit Numbers ❖ Ten-Frame Comparisons
4:7 <i>Saying the forwards and backwards number word sequences in the range 0-100 for twos, fives, and tens</i>	4:8 <i>Recalling the facts up to 10, and the teen facts</i>	4:9 <i>Recalling the number of 10s within decades that add to 100</i>	4:10 <i>Solving addition problems to 100 by counting on in their head</i>	4:11 <i>Solving subtraction problems to 100 by counting back in their head</i>	4:12 <i>Solving addition and subtraction problems using groups of tens</i>
<ul style="list-style-type: none"> ❖ Bead String Benchmarks ❖ Beeep ❖ Number Path 	<ul style="list-style-type: none"> ❖ Adding and Subtracting with Counters ❖ Addition Flash Cards ❖ Building Teens ❖ Make Ten ❖ Number Boggle ❖ Teen Numbers ❖ Ten-Frames Teen Numbers 	<ul style="list-style-type: none"> ❖ Bead Strings ❖ Close to 100 ❖ Ten in Tens ❖ Zap 	<ul style="list-style-type: none"> ❖ Addition Spin ❖ Change Unknown ❖ Peek-a-Boo Adding ❖ Teddy Bear Walk – Addition 	<ul style="list-style-type: none"> ❖ Counting Back ❖ Race to Zero ❖ Teddy Bear Walk – Subtraction 	<ul style="list-style-type: none"> ❖ Adding Tens With Base Ten Models ❖ Adding Tens With Visualizing ❖ Subtracting Tens
4:13 <i>Solving multiplication problems using skip counting by twos, fives, and tens</i>	4:14 <i>Solve division problems by equal sharing in ones, twos, and fives</i>	4:15 <i>Finding halves and quarters of sets, regions, and objects by sharing</i>		4:16 <i>Finding simple fractions of regions</i>	4:17 <i>Finding fractions of sets by sharing</i>
<ul style="list-style-type: none"> ❖ Animal Arrays ❖ Array Games ❖ Blank Grids ❖ Hit the Spot ❖ Multiplication In and Out Game ❖ Number Strips ❖ Smiley Face 	<ul style="list-style-type: none"> ❖ Cookie Boxes ❖ Fair Tickets ❖ Making Trains 	<ul style="list-style-type: none"> ❖ Equal Groups ❖ Halves and Quarters ❖ Pattern Block Fractions 		<ul style="list-style-type: none"> ❖ Creating Fractions ❖ Same but Different ❖ Wafer Cookies 	<ul style="list-style-type: none"> ❖ Exploring Fractions ❖ Fair Shares ❖ Making Wholes

NUMERACY PROJECT TASKS AND ACTIVITIES

Stage Five

- The following list of activities is designed to be used for a student who scores within Stage Five on the Numeracy Assessment Universal Screener.
- Teachers and interventionists should choose activities in the areas in which the student was unable to demonstrate mastery of a particular skill in order to create an “Intervention Prescription”. These resources can be found by clicking on the activity name below.

5:1 <i>Identify numbers in the range 0-1,000</i>	5:2 <i>Say the forwards and backwards number word sequences by ones, ten, hundreds, and thousands in the range of 0-1,000,000, including finding numbers that are 10, 100, and 1,000 more or less than a given number</i>		5:3 <i>Order the numbers in the range 0-1,000</i>	5:4 <i>Recall the number of tens and hundreds in 100s and 1,000s</i>	5:5 <i>Round three-digit whole numbers to the nearest 10 or 100</i>
<ul style="list-style-type: none"> ❖ Identifying Numbers to 1000 ❖ Number Fans to 1000 ❖ Place Value Houses 	<ul style="list-style-type: none"> ❖ Counting ❖ Nudge ❖ Number Fans ❖ Number Hangman ❖ Skip-Counting on the Number Line 		<ul style="list-style-type: none"> ❖ Rocket – Where Will I Fit? ❖ Squeeze - Guess my Number ❖ Who is the Richest? 	<ul style="list-style-type: none"> ❖ Close to 1000 ❖ How Many in All? ❖ How Many Ten Dollar Bills? ❖ Saving Hundreds ❖ Zap – Lightning Bolt 	<ul style="list-style-type: none"> ❖ Can You Guess? ❖ Place Your Bet ❖ Round to Win
5:6 <i>Recall the multiples of 100 that add up to 1,000</i>	5:7 <i>Identify the symbols for halves, quarters, thirds, fifths, and tenths including fractions greater than 1</i>	5:8 <i>Order fractions with the same denominator</i>	5:9 <i>Know the number 1, 10, and 100 before and after a given number in the range 0-1,000</i>	5:10 <i>Recall addition and subtraction facts to 20</i>	5:11 <i>Recall groupings within 100</i>
<ul style="list-style-type: none"> ❖ Find Your Partner ❖ Multiples Close to 1000 ❖ Multiples of 10/100 Matching ❖ Tens and Ones ❖ Tens in Hundreds and More ❖ Zap 	<ul style="list-style-type: none"> ❖ Creating Fractions ❖ Fraction Pieces ❖ Making Fractions with Geo-boards ❖ Non-unit Fractions ❖ Playdough Fractions – Making Fractions 	<ul style="list-style-type: none"> ❖ Fraction Circles ❖ Ordering Fractions ❖ Spinning Fractions 	<ul style="list-style-type: none"> ❖ Number Hangman -1, 10, 100 More or Less ❖ Show Me More or Less ❖ What’s My Number? 	<ul style="list-style-type: none"> ❖ Bowl a Fact: Addition & Subtraction ❖ Comparisons ❖ Dinosaur Stomp ❖ What’s Hidden? 	<ul style="list-style-type: none"> ❖ Adding in Parts to 100 ❖ Skip Counting on a Number Line Within 100 ❖ Traffic Lights
5:12 <i>Solve addition and subtraction problems by using doubles</i>	5:13 <i>Solve addition problems by using compatible numbers</i>	5:14 <i>Solve addition and subtraction problems by using place value partitioning</i>	5:15 <i>Solve addition and subtraction problems by compensating with tidy numbers</i>	5:16 <i>Solve multiplication problems by using repeated addition</i>	
<ul style="list-style-type: none"> ❖ Adding Tens Using Doubles ❖ Domino Doubles ❖ Doubles Plus One Fun 	<ul style="list-style-type: none"> ❖ Compatible Numbers ❖ Three or More at a Time ❖ You Don't Need the Number 	<ul style="list-style-type: none"> ❖ On and Off the Train ❖ Saving Hundreds ❖ Subtracting Tens and Ones 	<ul style="list-style-type: none"> ❖ Jumping the Number Line ❖ Problems like ? + 29 = 81 ❖ Problems like 23 + ? = 71 	<ul style="list-style-type: none"> ❖ Adding Tens ❖ Animal Arrays ❖ Multi-dice Fives ❖ Three's Company ❖ Twos, Fives, and Tens 	
5:17 <i>Solve fives times tables by doubling and halving</i>	5:18 <i>Find unit fractions of sets</i>		5:19 <i>Find unit fractions of regions</i>	5:20 <i>Solve division problems by sharing</i>	
<ul style="list-style-type: none"> ❖ Doubling and Halving ❖ Fives and Tens ❖ Multiplication or Out Game 	<ul style="list-style-type: none"> ❖ Candy Creations ❖ Fraction Animals ❖ Fraction Wafers 		<ul style="list-style-type: none"> ❖ Creating More Fractions ❖ Feeding Animals ❖ Hot Stuff! ❖ Playdough Fractions – Same but Different 	<ul style="list-style-type: none"> ❖ Biscuit Boxes ❖ Pirate Crews ❖ Sharing with Remainders 	

NUMERACY PROJECT TASKS AND ACTIVITIES

Stage Six

- The following list of activities is designed to be used for a student who scores at Stage Six on the Numeracy Assessment Universal Screener.
- Teachers and interventionists should choose activities in the areas in which the student was unable to demonstrate mastery of a particular skill in order to create an “Intervention Prescription”.
- These resources can be found by clicking on the activity name below.

<p style="text-align: center;">6:1</p> <p style="text-align: center;"><i>Recall the multiplication and division facts for the multiples of 2,3,5, and 10</i></p>	<p style="text-align: center;">6:2</p> <p style="text-align: center;"><i>Recall multiplication to 10 x 10, and the corresponding division facts</i></p>	<p style="text-align: center;">6:3</p> <p style="text-align: center;"><i>Recall groupings of twos, threes, fives, and tens that are numbers to 100 and the resulting remainders</i></p>	<p style="text-align: center;">6:4</p> <p style="text-align: center;"><i>Identify all of the numbers in the range 0-1,000,000</i></p>	<p style="text-align: center;">6:5</p> <p style="text-align: center;"><i>Say the forwards and backwards whole number word sequences by ones, tens, hundreds, and thousands in the range of 0-1,000,000 including finding numbers that are 10, 100, and 1,000 more or less than a given number</i></p>	<p style="text-align: center;">6:6</p> <p style="text-align: center;"><i>Order whole numbers in the range of 0-1,000,000</i></p>
<ul style="list-style-type: none"> ❖ Beep ❖ Bowl a Fact ❖ Dividing: Thinking About Multiplication ❖ Using Calculators 	<ul style="list-style-type: none"> ❖ Beep to 10 ❖ If You Know... ❖ Knock 'em Down ❖ Multiplication Cards 	<ul style="list-style-type: none"> ❖ Bead Strings ❖ Dividing? Think About Multiplying First ❖ Skip-Counting on the Number Line 	<ul style="list-style-type: none"> ❖ Number Fans to a Million ❖ Number Hangman to a Million ❖ Place Value Houses to a Million 	<ul style="list-style-type: none"> ❖ Counting ❖ A Million Number Fan ❖ Starting Point 	<ul style="list-style-type: none"> ❖ To a Million and Beyond ❖ Unlock the Order ❖ Who Wants to Be a Millionaire?
<p style="text-align: center;">6:7</p> <p style="text-align: center;"><i>Read decimals with tenths, counts forwards and backwards in tenths, order decimals with tenths</i></p>	<p style="text-align: center;">6:8</p> <p style="text-align: center;"><i>Recall groupings within 1,000, (e.g. 240 + 760)</i></p>	<p style="text-align: center;">6:9</p> <p style="text-align: center;"><i>Round whole numbers to the nearest 10, 100, or 1000</i></p>	<p style="text-align: center;">6:10</p> <p style="text-align: center;"><i>Find out how many ones, tens, hundreds, and thousands are in all of a whole number</i></p>	<p style="text-align: center;">6:11</p> <p style="text-align: center;"><i>Find the number of tenths and hundredths in decimals to two places</i></p>	<p style="text-align: center;">6:12</p> <p style="text-align: center;"><i>Round decimals with up to two places to the nearest whole number</i></p>
<ul style="list-style-type: none"> ❖ Decimal Card Ordering ❖ Reading Decimal Fractions ❖ Rocket Decimals ❖ Squeeze – Guess My Decimal 	<ul style="list-style-type: none"> ❖ Base Ten to 1,000 ❖ Saving Hundreds ❖ Tens and Hundreds and More 	<ul style="list-style-type: none"> ❖ Can You Guess to 1,000? ❖ Place Your Bet to 1,000 ❖ Round to 10, 100, and 1,000 ❖ Sensible Differences 	<ul style="list-style-type: none"> ❖ Changing Money ❖ How Many Tens and Hundreds? ❖ Large Numbers Roll Over ❖ Zap Whole Numbers 	<ul style="list-style-type: none"> ❖ Building Decimals ❖ Decimal Designs ❖ Representing Decimals 	<ul style="list-style-type: none"> ❖ Linking Money and Decimal Fractions ❖ Making Money by Rounding ❖ Rounding to the Nearest Whole Number ❖ Sensible Rounding
<p style="text-align: center;">6:13</p> <p style="text-align: center;"><i>Identify symbols for any fractions, including tenths, hundredths, thousandths, and those greater than 1</i></p>	<p style="text-align: center;">6:14</p> <p style="text-align: center;"><i>Ask the forwards and backwards word sequences for halves, quarters, thirds, fifths, and tenths</i></p>	<p style="text-align: center;">6:15</p> <p style="text-align: center;"><i>Order and compare unit fractions</i></p>	<p style="text-align: center;">6:16</p> <p style="text-align: center;"><i>Rename improper fractions as mixed numbers and position improper fractions on a number line</i></p>	<p style="text-align: center;">6:17</p> <p style="text-align: center;"><i>Solve addition and subtraction problems by going through tens</i></p>	
<ul style="list-style-type: none"> ❖ Fraction Pieces ❖ Improper Fractions ❖ Non-Unit Fractions ❖ Show a Fraction 	<ul style="list-style-type: none"> ❖ Beep, Beep ❖ Creating Fractions ❖ Fraction Fraction ❖ More Fractions 	<ul style="list-style-type: none"> ❖ Open Number Lines ❖ Unit Fraction Card Ordering ❖ Who Has More Cake? 	<ul style="list-style-type: none"> ❖ Fractions Greater Than 1 ❖ Fractions on a Number Line ❖ Trains 	<ul style="list-style-type: none"> ❖ Finding Groups of 10 ❖ Subtraction In Parts ❖ Subtraction With Tens 	

<p>6:18 <i>Solve addition and subtraction problems by using place value</i></p>	<p>6:19 <i>Solve addition and subtraction problems by looking for compatible numbers</i></p>	<p>6:20 <i>Solve addition and subtraction problems by compensating with tidy numbers (including equal additions)</i></p>	<p>6:21 <i>Solve subtraction problems by using reversing</i></p>	<p>6:22 <i>Solve addition and subtraction problems using decomposition, leading to a written algorithm</i></p>
<ul style="list-style-type: none"> ❖ Adding Using Place Value ❖ Adding, Subtracting, and Place Value ❖ How Many Ten Dollar Notes? 	<ul style="list-style-type: none"> ❖ Addition and Subtraction Pick 'n Mix ❖ Make 100, Make 1,000 ❖ Subtraction Train 	<ul style="list-style-type: none"> ❖ Equal Additions ❖ Near Doubles ❖ When One Number Is Near a Hundred 	<ul style="list-style-type: none"> ❖ Don't Subtract, Add! ❖ Problems like $37 + ? = 79$ ❖ Problems like $67 - ? = 34$ ❖ Reversing Addition ❖ Subtraction to Subtraction ❖ When Subtraction Becomes Addition 	<ul style="list-style-type: none"> ❖ A Standard Written Form for Addition ❖ Close to 100 or 1,000 ❖ Decomposition - A Written Form of Subtraction ❖ Mental or Written?
<p>6:23 <i>Choose critically from a range of mental strategies to solve addition and subtraction problems</i></p>	<p>6:24 <i>Derive multiplication facts from 2, 5, and 10 times tables</i></p>	<p>6:25 <i>Change the order of the factors to make multiplication facts</i></p>	<p>6:26 <i>Multiply by 10s, 100s, 1000s and other multiples of 10</i></p>	<p>6:27 <i>Solve multiplication and division problems by using multiplication facts</i></p>
<ul style="list-style-type: none"> ❖ A Balancing Act ❖ Checking Addition and Subtraction by Estimation ❖ Who is Going to Win? 	<ul style="list-style-type: none"> ❖ A Little Bit More/ A Little Bit Less ❖ Bug Flip Multiplication ❖ Fun with Fives 	<ul style="list-style-type: none"> ❖ Four in A Row Multiplication ❖ Multiplication Madness ❖ Turn Abouts 	<ul style="list-style-type: none"> ❖ Multiplying Tens ❖ Roll and Spin ❖ Sherpa (Tensing) 	<ul style="list-style-type: none"> ❖ Dividing Candy by Multiplying ❖ Goesintas ❖ Long Jumps
<p>6:28 <i>Solve problems using a combination of addition, subtraction, multiplication, division mental strategies</i></p>	<p>6:29 <i>Find fractions of a set using multiplication and division</i></p>	<p>6:30 <i>Find fractions of regions</i></p>	<p>6:31 <i>Solve division problems involving fractions</i></p>	
<ul style="list-style-type: none"> ❖ Bowling for Facts ❖ Mixing the Methods - Mental Exercises ❖ Multiplication Smorgasboard ❖ People's Ages 	<ul style="list-style-type: none"> ❖ Birthday Cakes ❖ Candy is Dandy ❖ Helping a Farmer ❖ Fractions Times Whole Numbers 	<ul style="list-style-type: none"> ❖ Cuisenaire Rod Fractions ❖ Fractional Blocks ❖ Pattern Block Fractions 	<ul style="list-style-type: none"> ❖ Sharing and Partitioning ❖ Sharing Fabric ❖ Sharing Pizza 	

NUMERACY PROJECT TASKS AND ACTIVITIES

Stage Seven

- The following list of activities is designed to be used for a student who scores at Stage Seven on the Numeracy Assessment Universal Screener.
- Teachers and interventionists should choose activities in the areas in which the student was unable to demonstrate mastery of a particular skill in order to create an “Intervention Prescription”.
- These resources can be found by clicking on the activity name below.

7:1 <i>Know benchmarks for converting between common fractions, decimals and percentages</i>	7:2 <i>Identify and order decimals to three places</i>	7:3 <i>Say the number one–thousandth, one–hundredth, one–tenth, one, and ten, etc., before and after any given number</i>	7:4 <i>Round whole numbers and decimals, with up to two places, to the nearest whole number, or tenth</i>	7:5 <i>Find the number of tenths, hundredths, and one–thousandths in numbers of up to three decimal places</i>	7:6 <i>Use multiplication to solve addition and subtraction problems</i>
<ul style="list-style-type: none"> ❖ Bead Strings ❖ Deci-Mats ❖ Mystery Decimals 	<ul style="list-style-type: none"> ❖ Card Ordering ❖ Rocket - Where Will I Fit? ❖ Who Wins? 	<ul style="list-style-type: none"> ❖ Hangman ❖ More Reading of Decimals ❖ Nudge ❖ Number Fans 	<ul style="list-style-type: none"> ❖ Rounding Decimals ❖ Sensible Rounding ❖ Swedish Rounding ❖ Whole Number Rounding 	<ul style="list-style-type: none"> ❖ Building Decimals ❖ Tens in Hundreds and More ❖ Measurement and Zeros 	<ul style="list-style-type: none"> ❖ Adding Sequences ❖ Average Ability ❖ Multiple Ways to Add and Subtract
7:7 <i>Use a range of strategies to solve problems that involve a combination of addition, subtraction, multiplication, and division</i>	7:8 <i>Solve multiplication and division problems by using place value</i>	7:9 <i>Solve multiplication and division problems by using tidy numbers</i>	7:10 <i>Solve multiplication and division problems by using proportional adjustment</i>	7:11 <i>Solve multiplication and division problems by splitting factors</i>	7:12 <i>Solve division problems that involve remainders</i>
<ul style="list-style-type: none"> ❖ Dolphin Watching ❖ Order of Operations ❖ Strategy Practice 	<ul style="list-style-type: none"> ❖ Cross Products ❖ Division with Tenths ❖ Multiplication with Tenths 	<ul style="list-style-type: none"> ❖ Dice Doubles ❖ Multiplication Smorgasboard ❖ Paper Power 	<ul style="list-style-type: none"> ❖ Cut and Paste ❖ Doubling and Halving ❖ Multiplying by 25 ❖ Proportional Packets ❖ The Equals Sign Again ❖ The Royal Cooking Lesson 	<ul style="list-style-type: none"> ❖ Factor Leapfrog ❖ Fun with Fives ❖ Little Bites at Big Multiplications and Divisions 	<ul style="list-style-type: none"> ❖ Introducing Decimal Fraction Place Value ❖ Pattern Work – Applying Remainders ❖ Remainders ❖ Remainders on a Calculator ❖ Sorting Mail
7:13 <i>Solve division problems that have fractional solutions</i>	7:14 <i>Solve addition and subtraction problems with integers (positive and negative numbers)</i>	7:15 <i>Solve problems that involve adding and subtracting fractions with related denominators</i>	7:16 <i>Solve problems that involve adding and subtracting decimals</i>	7:17 <i>Find fractions of regions using reunitizing, e.g., three quarters of a half is three eighths</i>	
<ul style="list-style-type: none"> ❖ Division-Which Way Does it Go? ❖ Money, Money, Money ❖ Remainders 	<ul style="list-style-type: none"> ❖ 6 Minus 8 Does Work! ❖ Bucket Balance ❖ Dollars and Bills ❖ Dropping and Rising Temperatures Hills and Valleys 	<ul style="list-style-type: none"> ❖ Create Three ❖ Estimating with Fractions ❖ Packets of Lollies 	<ul style="list-style-type: none"> ❖ Adding with Decimal Fractions ❖ Fractional Blocks ❖ How Can Two Decimals So Ugly Make One Decimal So Beautiful? 	<ul style="list-style-type: none"> ❖ Bits and Pieces ❖ Fractions in Room 7 ❖ Shaping Up 	

7:18 <i>Find fractions of whole number amounts using multiplication and division</i>	7:19 <i>Estimate and find percentages of whole number amounts using benchmark percentages</i>	7:20 <i>Find equivalent fractions</i>	7:21 <i>Order fractions based on their magnitude</i>	7:22 <i>Solve simple rate problems using multiplication</i>	7:23 <i>Find equivalent ratios and express them as equivalent fractions</i>
<ul style="list-style-type: none"> ❖ Fractions Times Whole Numbers ❖ Little Halves and Big Quarters ❖ Whole Numbers Times Fractions 	<ul style="list-style-type: none"> ❖ 50% on is Not the Same as 50% off! ❖ Sales Tax Rules ❖ Percentage Increases & Decreases in One Step 	<ul style="list-style-type: none"> ❖ Equivalent Fractions ❖ Little Halves and Big Quarters ❖ The Same but Different 	<ul style="list-style-type: none"> ❖ Meter Strips ❖ Who Gets More? ❖ Who Has More Cake? 	<ul style="list-style-type: none"> ❖ Comparing by Finding Rates ❖ Rates of Change ❖ Seed Packets 	<ul style="list-style-type: none"> ❖ 50% on is not the same as 50% off! ❖ Bean Brains ❖ Munching Monarchs

NUMERACY PROJECT TASKS AND ACTIVITIES

Stage Eight

- The following list of activities is designed to be used for a student who scores at Stage Eight on the Numeracy Assessment Universal Screener.
- Teachers and interventionists should choose activities in the areas in which the student was unable to demonstrate mastery of a particular skill in order to create an “Intervention Prescription”.
- These resources can be found by clicking on the activity name below.

<p style="text-align: center;">8:1</p> <p style="text-align: center;"><i>Know what happens when a number is multiplied or divided by a power of 10</i></p>	<p style="text-align: center;">8:2</p> <p style="text-align: center;"><i>Order fractions, decimals and percentages</i></p>	<p style="text-align: center;">8:3</p> <p style="text-align: center;"><i>Identify and order decimals to three places (thousandths)</i></p>	<p style="text-align: center;">8:4</p> <p style="text-align: center;"><i>Know benchmarks for converting between fractions, decimals, and percentages</i></p>	<p style="text-align: center;">8:5</p> <p style="text-align: center;"><i>Know simple powers of numbers to 10</i></p>	<p style="text-align: center;">8:6</p> <p style="text-align: center;"><i>Identify greatest common factors and least common multiples</i></p>
<ul style="list-style-type: none"> ❖ Digits on the Move ❖ Power of Ten ❖ Zap 	<ul style="list-style-type: none"> ❖ Bead Strings ❖ Little Halves and Big Quarters ❖ Packets of Lollipops ❖ Rocket – Where Will I Fit? ❖ The Sieve of Eratosthenes 	<ul style="list-style-type: none"> ❖ Confusing Fractions and Decimals ❖ Linking Money and Decimal Fractions ❖ Packets of Lollipops ❖ Rocket - Where Will I Fit? Revisited 	<ul style="list-style-type: none"> ❖ Difficult Fractions to Percentages ❖ Equivalent Fractions, Decimals, and Percentages ❖ Estimating Percentages 	<ul style="list-style-type: none"> ❖ Power of Ten Revisited ❖ The Power of Powers ❖ Zap Revisited 	<ul style="list-style-type: none"> ❖ Greatest Common Factors ❖ Least Common Multiples ❖ To and Fro
<p style="text-align: center;">8:7</p> <p style="text-align: center;"><i>Solve problems by finding the factors of numbers</i></p>	<p style="text-align: center;">8:8</p> <p style="text-align: center;"><i>Solve problems by finding the prime factors of numbers</i></p>	<p style="text-align: center;">8:9</p> <p style="text-align: center;"><i>Solve problems that involve exponents and square roots</i></p>	<p style="text-align: center;">8:10</p> <p style="text-align: center;"><i>Solve problems that involve adding and subtracting fractions</i></p>	<p style="text-align: center;">8:11</p> <p style="text-align: center;"><i>Solve multiplication and division problems that involve fractions</i></p>	<p style="text-align: center;">8:12</p> <p style="text-align: center;"><i>Solve multiplication and division problems that involve decimals</i></p>
<ul style="list-style-type: none"> ❖ Factor Trees ❖ Little Bites at Big Multiplications and Divisions ❖ Factor Leapfrog 	<ul style="list-style-type: none"> ❖ Factor Trees ❖ Recurring and Terminating Decimal Fractions ❖ Systematic Prime Factorization ❖ The Sieve of Eratosthenes 	<ul style="list-style-type: none"> ❖ Cubes and Cube Roots ❖ Locating Square Roots ❖ Powerful Numbers 	<ul style="list-style-type: none"> ❖ Adding and Subtracting Fractions ❖ Comparing Apples with Apples ❖ Packets of Lollipops 	<ul style="list-style-type: none"> ❖ A Fraction Times a Fraction ❖ Brmmm! Brmmm! ❖ Dividing Fractions ❖ Estimation in Decimal Multiplication & Division Problems 	<ul style="list-style-type: none"> ❖ Division with Tenths ❖ Folding Fractions and Decimals ❖ Multiplication of Decimal Fractions
<p style="text-align: center;">8:13</p> <p style="text-align: center;"><i>Estimate and find percentages of whole number and decimal amounts</i></p>	<p style="text-align: center;">8:14</p> <p style="text-align: center;"><i>Solve problems involving integers</i></p>	<p style="text-align: center;">8:15</p> <p style="text-align: center;"><i>Solve problems involving ratios</i></p>		<p style="text-align: center;">8:16</p> <p style="text-align: center;"><i>Solve problems involving rates</i></p>	<p style="text-align: center;">8:17</p> <p style="text-align: center;"><i>Use rounding to check the answers to multiplication and division problems</i></p>
<ul style="list-style-type: none"> ❖ Estimate Match ❖ Extending Hotshots ❖ Calculating Percentage Changes 	<ul style="list-style-type: none"> ❖ 6 Minus 8 Does Work! ❖ Bucket Balance ❖ Dropping and Rising Temperatures 	<ul style="list-style-type: none"> ❖ Combining Proportions ❖ Extending Hotshots ❖ Inverse Ratios ❖ Sharing in Ratios ❖ Top Shoot! 		<ul style="list-style-type: none"> ❖ Comparing by Finding Rates ❖ Mochaccino Mix ❖ Rates of Change 	<ul style="list-style-type: none"> ❖ Checking Division by Estimation ❖ Checking Multiplication by Estimation ❖ Estimation in Decimal Multiplication & Division Problems ❖ Sensible Rounding with a Calculator