


GRADE 1 INVESTIGATIONS TRIMESTER OVERVIEW

TRI	Session	Unit	Lesson Title	Classroom Routine	Games /Activity to be Introduced	Recommendations
1	1.		*****			First Day of School
1	2.		Unit 1 Diagnostic			
1	3.		NWEA			Rek and Rek Manual: https://www.mathlearningcenter.org/sites/default/files/pdfs/LTM_Rekenrek.pdf
1	4.	U1	1.1 Start With/Get To	Start With/Get To	Math Workshop Exploring Math Tools	Explore Braining Camp Electronic Manipulatives 
1	5.	U1	1.2 Counting What's in a Mystery Box	Start With/Get To	Mystery Boxes	Explore the Investigations Game Center and Electronic Manipulatives. You can assign and share them with your students.
1	6.	U1	1.3 Build It: Numbers to 20	Start With/Get To	Build It: Numbers to 20 Counting Math Tools	
1	7.	U1	1.4 The Time Routine	Start With/Get To	Time	https://clever.brainingcamp.com/s/9SJGJBNL
1	8.	U1	1.5 Build It: A Classroom Routine	Start With/Get To	Build It :Draw 20	
1	9.	U1	2.1 One or Two More	Build It: +/- 1 or 2	One or Two More	
1	10.	U1	2.2 Double Compare Dots and Double Compare	Quick Images	Double Compare Double Compare Dots	Quick Images with Rek and Rek : Push some beads across and display them briefly before covering them with a piece of cloth or card. Ask, "How many beads did you see? How do you know?" Asking children to draw or write what they saw on a dry erase board ensures that everyone is actively involved and serves as a quick assessment. If using a 100 bead rack gradually add rows until you are displaying quick images to 100. This can be extended by asking students to show the number that is one more/one less/ten more/ten less than/double the number flashed.
1	11.	U1	2.3 Five-in-a-Row	Time	Five in a Row	
1	12.	U1	2.4 Addition Story Problems: Solving and Recording Solutions	Start With/Get To	Story Problems	As we start to introduce Story Problems. Model Problem Solving Steps from Exemplars https://clever.brainingcamp.com/s/ARPV9XNM
1	13.	U1	2.5 Roll and Record	Quick Images	Roll and Record	
1	14.	U1	2.6 Addition Story Problems: Sharing and Comparing Strategies	Build It: +/- 1 or 2	Story Problems: How Many Geoblocks	

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1	15.	U1	2.7 Story Problems and Combining Games	Quick Images	QUIZ 1	Quizzes can be assigned and given through Investigations Online
1	16.	U1	2.8 Addition Strategies and Notation	Start With/Get To	ASSESSMENT: Double Compare	
1	17.	U1	3.1 One or Two Less and Counting Backward	Quick Images	One or Two Less	
1	18.	U1	3.2 Subtraction Story Problems: Solving and Recording Solutions	Start With/Get To	Story Problems	
1	19.	U1	3.3 Introducing Subtraction Games	Start With/Get To	Subtraction Games	
1	20.	U1	3.4 Subtraction Story Problems: Sharing and Comparing Strategies	Start With/Get To	Subtraction Story Problems	
1	21.	U1	3.5 Story Problems and Subtraction Games	Start With/Get To	Story Problems	
1	22.	U1	3.6 Subtraction Strategies and Notation	Build It: +/- 1 or 2	Start With/Get To	
1	23.	U1	3.7 Solving Story Problems	Start With/Get To	ASSESSMENT: Story Problems	Unit 1: Exemplar Practice: Counting Beads
1	24.	U1	Unit 1 Post Test	Unit Assessments can be modified and assigned using Investigations Online		
1	25.	U2	1.1 What Shapes Do You See?	Start With/Get To	Pattern-Block Fill-Ins	
1	26.	U2	1.2 Same Shape, Different Pieces	Start With/Get To	Fill the Hexagons	
1	27.	U2	1.3 Quick Images with Shapes	Build It: Teen Numbers	Pattern Blocks: Composing/Decomposing Shapes	https://clever.brainingcamp.com/s/SET44Z9X
1	28.	U2	1.4 Composing Pattern-Block Shapes		Combing Shapes	
1	29.	U2	1.5 Three Ways to Fill an Outline	Start With/Get To	Three Ways to Fill an Outline	
1	30.	U2	1.6 Filling, Sorting, and Making Shapes	Build It: Teen Numbers	The Math Workshop Activities	
1	31.	U2	1.7 Many Ways to Make a Hexagon	Start With/Get To	Assessment: Ways to Fill a Hexagon	
1	32.	U2	2.1 Sorting Shapes and Making a Shape Poster	Quick Images: Shapes	Guess My Rule with Shape Cards Sorting the Shape Cards	
1	33.	U2	2.2 Describing Triangles	Start With/Get To	Look at Power Polygons: Triangles Making Triangles	

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1	34.	U2	2.3 Describing Quadrilaterals	Quick Images: Shapes	Looking at Power Polygons: Quadrilaterals	
1	35.	U2	2.4 What Is a Triangle?	Quick Images: Shapes	Quiz 2	
1	36.	U2	2.5 Identifying and Sorting Shapes	Build It: Teen Numbers	Assessment: Identifying and Sorting Shapes	
1	37.	U2	Unit 2 Post Test ; “Drawing Shapes”	Exemplar: Drawing Shapes		
1	38.	*				
1	39.	U3	Unit 3 Diagnostic			
1	40.	U3	1.1 Counting On	Build It: Teen #'s	Roll and Record Five in a Row	https://clever.brainingcamp.com/s/NDF31CWZ
1	41.	U3	1.2 Build It 2	Start With/Get To	Build It 2	
1	42.	U3	1.3 Revisiting Subtraction Games	Build It:HowMany	Subtraction Games	
1	43.	U3	1.4 Counting On and Counting Back	Time	Time: What Time?	
1	44.	U3	2.1 Seven Peas and Carrots	Build It:HowMany	7 Peas and Carrots	
1	45.	U3	2.2 How Many Am I Hiding?	Start With/Get To	How Many Am I Hiding	
1	46.	U3	2.3 Counters in a Cup	Quick Images	Counters In A Cup	Explore Braining Camp live sessions to do with your students
1	47.	U3	2.4 Nine Peas and Carrots	Build It:HowMany	QUIZ 1	
1	48.	U3	2.5 Dot Addition	Quick Images	Dot Addition	
1	49.	U3	2.6 Eight Apples and Bananas	Start With/Get To	Intro 8 Fruits	
1	50.	U3	2.7 Strategies for Finding All Combinations of a Number	Time	Time: What Time?	
1	51.	U3	2.8 11 Fruits: How Many of Each?	Build It: How Many	ASSESSMENT: How Many?	Unit 3: Exemplar Practice: Piggy Banks
1	52.	*	*****	Use these days to reteach, review, enrich and Exemplar practice		
1	53.	*	*****	Thanksgiving Week		
1	54.	U3	3.1 A Story Problem with Three Addends	Quick Images	Story Problems	

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1	55.	U3	3.2 How Many in All?	Quick Images	A Story About Many Groups	
1	56.	U3	3.3 Today's Number	Start With/Get To	Guess My Number	
1	57.	U3	3.4 Today's Number: Equations for 10	Quick Images	Today's Number	https://earlymath.erikson.edu/making-rekenrek-number-rack/
1	58.	U3	3.5 Is This Equation True?	Build It:HowMany	True or False	
1	59.	U3	3.6 True or False?	Quick Images	QUIZ 2	
1	60.	U3	4.1 How Big Are Our Feet?	Start With/Get to	How Big Are Our Feet?	
1	61.	U3	4.2 Counting Larger Quantities	Build It: How Many Groups of 10	Covering and Counting	
1	62.	U3	4.3 Counting & Writing Numbers to 120	Time	Counting Strips	
	63.	*	**Portfolio/Assessments**			Use this day to complete any assessment or portfolio tasks for the End of the Trimester 120 Chart Exemplar: Reading A Book
2	64.	U3	4.4 Making a 100 Chart	Build It:HowMany	100 Chart	
2	65.	U3	4.5 Missing Numbers	Start With/Get To	Missing Numbers	https://app.brainingcamp.com/s/E863BXNZ
2	66.	U3	4.6 What's Missing?	Build It:HowMany	What's Missing	
2	67.	U3	4.7 Ways to Know What Numbers Are Missing	Start With/Get To		
2	68.	U3	4.8 Today's Number and Counting Strips	Start With/Get To	ASSESSMENT: Count/Write Numbers & Equiv. Expressions	
2	69.	U3	Unit 3 Post Test			
2	70.		Unit 4 Diagnostic			
2	71.	*	*****	Day before Winter Break		
2	72.	U4	1.1 Longer or Shorter?	Time	Longer or Shorter	
2	73.	U4	1.2 Telling Time to the Hour	Build It:HowMany	Build It: How Many More	
2	74.	U4	1.3 Cube Towers and Measuring Collections	Time	Measuring with Connecting Cubes	

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2	75.	U4	1.4 Measuring with Cubes, Tiles, or Paper Clips	Build It:HowMany	QUIZ 1 New Measuring Units	
2	76.	U4	1.5 Measuring Fish	Time	Keepers	
2	77.	U4	1.6 Fish Stories	Build It	Fish Story Problems	
2	78.	U4	1.7 How Long Is This Fish?	Time	Assessment: How Long Is This Fish?	
2	79.	U4	1.8 Comparison Problems	Quick Images	Fish Stories	
2	80.	U4	2.1 Halves of Circles and Hours	Quick Images: Shapes	Fractions and Halves	
2	81.	U4	2.2 Halves of Squares	Quick Images: Shapes	Halves of Squares	
2	82.	U4	2.3 Halves of Rectangles	Build It	Quick Images: Shapes Hald and Hald Rectangle Rugs	
2	83.	U4	2.4 Fourths	Quick Images: Shapes	Fourths	
2	84.	U4	2.5 Would You Rather Have a Half or a Fourth?	Quick Images: Shapes	Quiz 2	
2	85.	U4	2.6 Fractions and Comparison Problems	Quick Images: Shapes	Assessment: Fractions and Comparison Problems	
2	86.	U4	Unit 4 Post Test			
2	87.	U5	Unit 5 Diagnostic	Unit 5 Practice Exemplar- A Bag of Cat Treats		
2	88.	*	*****	Review, reteach or enrichment		
2	89.	U5	1.1 Ten Crayons in All	Time	Ten Crayons in All	Continue to model
2	90.	U5	1.2 Make 10	Quick Images	Make Ten	First Grade Math Representations throughout this unit
2	91.	U5	1.3 Games about Unknown Change	Quick Images	Games about Unknown Change	
2	92.	U5	1.4 Tens Go Fish	Build It: How Many	Tens Go Fish	
2	93.	*	*****	Groundhog Day		
2	94.	U5	1.5 Crayon Puzzles	Quick Images	Crayon Puzzles	
2	95.	U5	1.6 Crayon Puzzles: Sharing Strategies and Recording Solutions	Build It:How Many		Use uno cards to play Tens Go Fish as students love the colors and it challenges them to add without pictures. Wild cards can be any number needed to equal10.
2	96.	U5	1.7 More Crayon Puzzles and Games about 10	Time	More Crayon Puzzles	

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2	97.	U5	1.8 A Crayon Puzzle about 10	Quick Images	ASSESSMENT: Crayon Puzzle	
2	98.	U5	2.1 Ten Plus	Quick Images	Ten Plus	
2	99.	U5	2.2 Five-in-a-Row with Three Cards	Build It: How Many	Five in a Row – 3 cards	
2	100	*	*****	100 th Day of School		
2	101	*	*****	Valentine's Day		
2	102	U5	2.3 Equivalent Expressions: $7+6=10+3$	Quick Images	Story Problems	
2	103	U5	2.4 Five-in-a-Row: Subtraction with Three Cubes	Time	Five in a Row: Subtraction w/cubes	
2	104	U5	2.5 Dot Addition	Quick Images	Dot Addition	
2	105	U5	2.6 Story Problems and Subtraction Strategies	Build It: HowMany		Using the dot addition game board, have students work in small groups to add 3 dice totals together and record their work.
2	106	U5	2.7 Today's Number: 10	Quick Images	Today's Number: 10	https://youtu.be/YBkpC29_Gal
2	107	U5	2.8 Fluency within 10	Time	QUIZ 1	
2	108	U5	3.1 Can You Make This True?	Quick Images	True or False?	
2	109	U5	3.2 The Penny Jar: Stories about Unknown Change	Time	Penny Jar	
2	110	U5	3.3 Penny Jar Problems: Sharing and Recording Strategies	Build It:HowMany	Can you Make the Equation True?	Have students solve these problems using any strategy they want. Can be made into a game having students come up and show their work while the other students cross check for a prize.
2	111	U5	3.4 The Penny Jar Game	Build It:HowMany	Penny Jar Game	
2	112	U5	3.5 Story Problems about Unknown Change	Build It:HowMany	Tell A Story	
2	113	U5	3.6 Equations That Represent Unknown Change Situations	Tell A Story	QUIZ 2	
2	114	U5	3.7 Problems about Unknown Change	Tell A Story	ASSESSMENT: Problems:UnknownChange	
2	115	U5	Unit 5 Post Test			
3	116	U7	Unit 7 Diagnostic			
3	117	U7	1.1 How Many People? How Many Hands?	Tell A Story	How Many Hands?	Unit 7 Practice Exemplar: Pennies in Cups and Bowls

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3	118	U7	1.2 How Many Hands? How Many Fingers?	Tell A Story		Represent and record the number “28” https://app.brainingcamp.com/s/ZNFTLD68
3	119	U7	1.3 Counting by Groups of 10	Tell A Story	Game Build It: How many 10s?	
3	120	U7	1.4 Working with Groups of Tens	Build It:HowMany	Math Workshop	S102- How many cubes? How many towers of 10?
3	121	U7	1.5 How Many Fingers? How Many People?	Start With/Get To		
3	122	*	*****	St. Patrick’s Day		
3	123	*	***Portfolio Assessment***			Last day of Trimester 2 120 Chart Exemplar: Pennies in a Pocket
3	124	U7	1.6 How Many Now? with Cubes	Start With/Get To	How Many Now?	
3	125	U7	1.7 How Many Now? with Ten Frame Cards	Build It: How Many	How Many Now?	
3	126	U7	1.8 Adding and Subtracting Multiples of 10 to or from Multiples of 10	Build It: How Many	QUIZ 1	
3	127	U7	2.1 Roll Tens	Time	Roll Tens	
3	128	U7	2.2 How Many Cubes?	Build It: How Many	How Many Cubes?	
3	129	U7	2.3 Race to the Top: How Many Tens?	Build It: How Many	Race to the Top	
3	130	U7	2.4 Greater Than or Less Than?	Build It: How Many	Greater Than or Less Than	
3	131	U7	2.5 Adding or Subtracting 10 with Cubes	Build It: How Many	Plus or Minus 10	
3	132	U7	2.6 Build It: Plus or Minus 10	Build It: How Many	Build It: Plus /Minus 10	
3	133	U7	2.7 Adding or Subtracting 10: What Changes?	Start With/Get To		Using a 120 chart- pick a number and have students add or subtract ten based on number chosen
3	134	U7	2.8 Adding or Subtracting 10	Start With/Get To	QUIZ 2	
3	135	U7	3.1 Adding Tens	Build It: How Many	Adding Tens	
3	136	U7	3.2 Roll Tens 2	Build It: How Many	Roll Tens	
3	137	U7	3.3 Adding within 100	Time	Adding Within 100	

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3	138	*	*****			Last day before Spring Break
3	139	U7	3.4 Three-in-a-Row on the 100 Chart	Build It: How Many	Three in a row on the 100 Chart	
3	140	U7	3.5 Race to the Top: How Many Tens? 2	Build It:HowMany	Race to the Top: Tens	
3	141	U7	3.6 Strategies for Adding Tens and Ones	Build It:HowMany	QUIZ 3	
3	142	U7	3.7 How Many Tens?	Build It:HowMany		
3	143	U7	3.8 Adding 2-Digit Numbers	Build It:HowMany		Play Adding to 100 and see what table/ group can build the numbers correctly using random numbers
3	144	U7	Unit 7 Post Test			
3	145	U7	Exemplar			
3	146	U8	1.1 A 3-D Shape Hunt	Time	3- D Shapes	Unit 8 Exemplar Practice: Shapes from Shapes
3	147	U8	1.2 Describing and Comparing 3D Shapes	Quick Images: Shapes	Geoblock Footprints and Copying Cube Things	
3	148	U8	1.3 Build a Wall	Time: to the Half Hour and Hour	Build a Wall	Brainiaccamp- Telling Time to the hour and half hour- analog clock https://clever.brainiaccamp.com/s/9SJGJBNI
3	149	U8	1.4 Matching Blocks to Pictures	Quick Images: Shapes	Block Pictures	
3	150	U8	1.5 Blocks in a Sock	Time: Telling Time to the Half Hour	Blocks in a Sock	
3	151	U8	1.6 Attributes of 3-D Shapes	Time: Telling Time to the Half Hour	QUIZ 1	
3	152	U8	1.7 Drawing 3-D Shapes and Structures	Quick Images: Shapes	Drawing Geoblock Buildings	
3	153	U8	1.8 Building and Representing a 3-D Structure	Quick Images: Shapes		Have students work together to draw a Geoblock building
3	154	U8	1.9 Footprints and Buildings	Quick Images: Shapes		Find a picture of a house or castle and ask students to record what 2-D and 3-D shapes they see.
3	155	U8	Unit 8 Post Test			
3	156	*	*****			
3	157	U6	1.1 Are You Wearing Buttons?	Build it: Counting by 10s	Start With/ Get to: Counting by 10s	Unit 6 Exemplar Practice: Choosing a Paint Color

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3	158	U6	1.2 What Would You Rather Be?	Start With/Get to: Counting by 10s	Collecting Eagle or Whale Data	
3	159	U6	1.3 "Eagle or Whale?" Representations	Tell a Story	Quick Survey: Left or Right-Handed	
3	160	U6	1.4 Designing a Survey	Start With/ Get to: Counting by 10s	Class Surveys: Choosing a Question	
3	161	U6	1.5 Representing Survey Data	Tell a Story	Quiz 1	
3	162	U6	1.6 "Deep Sea or Outer Space?" Representations	Build It: Counting by 10s		Have students generate a survey and collect the data. Share the survey results together as a class. (They can work together in small groups.)
3	163	U6	1.7 Comparison Problems with the Bigger Amount Unknown	Start With/ Get to: Counting by 10s	Data with the Bigger Amount Unknown	
3	164	U6	1.8 Comparison Problems with the Smaller Amount Unknown	Time: Half Hour	Comparing Problems With Smaller Amount Unknown	
3	165	U6	1.9 Describing Data and Solving Comparison Problems	Build It: Count by 10s	Solving Comparison Problems	
3	166	U6	2.1 Does It Swim, Walk, or Fly?	Time: Half Hour	Does it Swim, Walk, or Fly?	
3	167	U6	2.2 Representing and Analyzing Data in Three Categories	Tell a Story	Data in 3 Categories	
3	168	U6	2.3 Interpreting Data and Solving Story Problems	Tell a Story	Survey: Monday, Tuesday, or Wednesday?	Do other surveys in the room with 3 categories. (ex. Do you like dogs, cats, or birds better?) interpret, discuss, and analyze the data.
3	169	U6	Unit 6 Post Test			
	170		NWEA			
	171		Final Assessments and			
	172					
	173					
	174					
	175					
	176					Trimester 3 Closes