

Grade 1 - Unit D - One of These Shapes Is Not Like the Others

Unit #:	MPSCT-028432	Duration:	5.0 Week(s)	Date(s):	02-06-2017 - 03-10-2017
Team:	Carol Sullivan (Author), Cindi Gardner, Jeannette Iacobellis, Jennifer Maxwell, Kristy Simmons				
	Grades: 1 Courses: Grade 1 Mathematics Subjects: Mathematics Approaches: Creative Thinking, Collaboration/Communication				
Unit Focus					
<p>Students build upon their kindergarten understanding to examine, identify, compare, and sort two-dimensional and three-dimensional shapes. They explore largely through play, how to describe the world around them using geometry terms. Attributes are realized through careful analysis as students notice how some are helpful in defining the geometry of a shape, while others are not. They will construct and deconstruct a variety of shapes in order to build both realistic and imagined objects and develop an understanding of shapes can be divided into equal parts.</p> <p>Alignment to 21st Century Capacities: Collective Intelligence; Imagining</p> <p>Resources: Bridges Unit 5</p> <p>Please look at the Parent Overview linked in Stage 3 for family support</p>					

STAGE 1: DESIRED RESULTS – KEY UNDERSTANDINGS		TRANSFER	
ESTABLISHED GOALS	TRANSFER		
<p>Common Core Standards <i>Mathematics : 1</i> 200085 <i>Mathematical Practices</i></p> <ul style="list-style-type: none"> CCSS.MATH.MP.7 Look for and make use of structure. CCSS.MATH.MP.4 Model with mathematics. CCSS.MATH.MP.3 Construct viable arguments and critique the reasoning of others. <p>920224 <i>Measurement & Data</i> 920232 <i>Geometry</i> 920233 <i>Reason with shapes and their attributes.</i></p> <ul style="list-style-type: none"> CCSS.MATH.CONTENT.1.G.A.1 Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes. CCSS.MATH.CONTENT.1.G.A.2 Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape. CCSS.MATH.CONTENT.1.G.A.3 Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares. <p>Student Growth and Development 21st Century Capacities Matrix <i>Creative Thinking</i></p> <ul style="list-style-type: none"> Imagining: Students will be able to conceive of a novel approach to create a text, performance, solution, application, or inquiry. <p><i>Collaboration/Communication</i></p>	<p>T1 Apply knowledge of shapes in our world to create a design or object (Imagining)</p> <p>T2 Work together to examine, identify, compare, compose, decompose and sort two-dimensional and three-dimensional shapes (Collective Intelligence).</p>	<p>MEANING</p> <p>UNDERSTANDINGS</p> <p>U1 Shapes can be identified, described, composed, sorted, and compared by a variety of attributes</p> <p>U2 Shapes exist everywhere and help to describe our world</p> <p>U3 Some attributes help to define the geometry of a shape</p> <p>U4 We can work respectfully and responsibly with others to achieve a goal</p>	<p>ESSENTIAL QUESTIONS</p> <p>Q1 How does geometry help me understand the world around me?</p> <p>Q2 What are the attributes of this shape? How are they alike and different to another shape?</p> <p>Q3 How can shapes be divided into equal parts?</p> <p>Q4 How do I work respectfully and responsibly with my classmates to solve a math problem?</p>
	<p>ACQUISITION OF KNOWLEDGE AND SKILL</p> <p>KNOWLEDGE</p> <p>K1 Defining vs. non-defining attributes</p> <p>K2 How to create composite shapes</p> <p>K3 How to sort shapes by attributes</p> <p>K4 How to describe, compare and locate shapes in their environment</p> <p>K5 Shapes can be decomposed into halves, fourths, and thirds</p> <p>K6 How to work respectfully and responsibly with classmates</p> <p>K7 Vocabulary:(terms with * Word Resource Cards are available) attribute*, compare*, equal*, face*, flat, fourth*, fraction*, half*, identify, parallel lines, quarter (one-fourth), side*, solid, sphere*, third*, vertex*(Exposed to in Kindergarten: square, hexagon*,</p>		<p>SKILLS</p> <p>S1 Identifying, naming, and locating triangles, squares, rectangles, trapezoids, rhombuses, and hexagons</p> <p>S2 Identifying, naming and locating cubes, rectangular prisms, cones, cylinders, spheres, triangular prisms and pyramids</p> <p>S3 Partitioning circles and rectangles into halves and fourths</p> <p>S4 Categorizing shapes based on attributes.</p> <p>S5 Completing math task with classmates.</p>

• Collective Intelligence: Students will be able to work respectfully and responsibly with others, exchanging and evaluating ideas to achieve a common objective.

circle*, cone*, cube*, cylinder*, edge*, pyramid*, rectangle*, rectangular prism*, rhombus*, square*, three-dimensional shape*, trapezoid*, triangle, triangular prism*, two-dimensional shape*, corner)

STAGE 2: ASSESSMENT EVIDENCE

PERFORMANCE TASK(S)

Coding	Code	Evaluative Criteria	Description
	PT1		Assessment Evidence: Let's Talk Shapes Transfer Task
	PT2		Assessment Evidence: 3 D Shapes Transfer Task
	PT3		Assessment Evidence: Cake Wars PBA

OTHER EVIDENCE

Coding	Code	Evaluative Criteria	Description
	OE1		Assessment Evidence: OTHER EVIDENCE: <ul style="list-style-type: none"> • First Grade Winter Content Assessment (administered prior to the March report card) • Pre-Assessment (Bridges Post-Assessment)

STAGE 3: LEARNING PLAN

PRE-ASSESSMENTS

Coding	Code	Description of Learning Activity	Extension / Modification
	LE1	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> Calendar Grid: Are these shapes congruent?</p> <ul style="list-style-type: none"> • Two shapes are congruent if one is identical to the other in size and shape • Determine if a pair of triangle or quadrilateral figures are congruent by replicating each on a clear geoboard and superimposing one shape on top of the other. • Identifies and sorts shapes by defining attributes <p>Resources</p> <ul style="list-style-type: none"> • RES13 - NC February Calendar Grid - - http://bridges.mathlearningcenter.org/view/nc1-tg-6feb#11 (link) • RES30 - Youtube Video: A Very Greedy Triangle - - https://www.youtube.com/watch?v=Z5Y_WmD3J7g&safe=active (link) • RES37 - The Greedy Triangle by - 	
	LE2	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> Calendar Collector: How can I analyze data?</p> <ul style="list-style-type: none"> • Compare amounts using greater than, less than, most, less and equal • Order amounts • Estimate and count collections <p>Resources</p> <ul style="list-style-type: none"> • RES5 - NC February Calendar Collector - - http://bridges.mathlearningcenter.org/view/nc1-tg-6feb#21 (link) 	
	LE3	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> Days in School: What are ways to see numbers beyond 100?</p>	

		<ul style="list-style-type: none"> • Group columns of 10 into 20s, 30s, and more • Compose and decompose numbers beyond 100 • See hundreds grid as a whole • Write equations for numbers beyond 100 <p>Resources</p> <ul style="list-style-type: none"> • RES17 - NC February Days in School - - http://bridges.mathlearningcenter.org/view/nc1-tg-6feb#29 (link) 	
LE4		<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> Computational Fluency: How can I use "friendly" or known number combinations to add multiple addends?</p> <ul style="list-style-type: none"> • Look for addends that make 10 or are a double or known fact • Use a Ten-Frame to visualize the combination • Develop math story problems using multiple addends <p>Resources</p> <ul style="list-style-type: none"> • RES4 - NC February Computational Fluency - - http://bridges.mathlearningcenter.org/view/nc1-tg-6feb#35 (link) • RES25 - Online Game-Math Madness - - http://www.fuelthebrain.com/games/math-madness/ (link) 	
LE5		<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> Number Line: How does one number relate to another?</p> <ul style="list-style-type: none"> • reinforce numeral identification, place value • sequencing numbers through 100 • gain experience with <i>greater than, less than</i> terminology • navigate a number line by jumps of 10 and 5 • Games to reinforce such as "Guess My Number" and "Race to 100". <p>Resources</p> <ul style="list-style-type: none"> • RES19 - NC February Number Line - - http://bridges.mathlearningcenter.org/view/nc1-tg-6feb#45 (link) 	

LE6	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> Calendar Grid: How can I tell time to the half hour?</p> <ul style="list-style-type: none"> • Read hour and half hour times on analog and digital clocks • Understand "half past" • Examine elapsed time in hour and 1/2 hour increments <p>Resources</p> <ul style="list-style-type: none"> • RES7 - NC March Calendar Grid - - http://bridges.mathlearningcenter.org/view/nc1-tg-7mar#11 (link) • RES27 - Fairy Clock Activity - Give your students a time to set on the fairy clock - http://www.ictgames.com/fairyClock_v6.html (link) • RES36 - Online Game- Learn to Tell Time ABCya - - http://www.abcya.com/telling_time.htm (link) 	
LE7	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> Calendar Collector: What is the most efficient way to count change?</p> <ul style="list-style-type: none"> • Counting mixed sets of pennies, nickels and dimes • Understand value of change <p>Resources</p> <ul style="list-style-type: none"> • RES2 - NC March Calendar Collector - - http://bridges.mathlearningcenter.org/view/nc1-tg-7mar#21 (link) 	
LE8	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> Days in School: What are ways to see numbers beyond 100?</p> <ul style="list-style-type: none"> • Group numbers in 5, 10 25, 50 and 100 • Understand that one hundred is equal to 10 tens • Understand that 120 is equal to 1 hundred and 2 tens as well as 12 tens • Investigate 10 more and 10 less <p>Resources</p> <ul style="list-style-type: none"> • RES11 - NC March Days in School - - http://bridges.mathlearningcenter.org/view/nc1-tg-7mar#29 (link) 	

		<ul style="list-style-type: none"> RES29 - Youtube Video - Counting by 2's, 5's and 10's with a Leprechaun - https://www.youtube.com/watch?v=eSvz1lkvih4 (link) 	
LE9		<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments Computational Fluency: How can I use 10 to solve facts to 20?</i></p> <ul style="list-style-type: none"> Use the Think Ten strategy Visualize the ten-frame Review fact families Review the Commutative Property <p>Resources</p> <ul style="list-style-type: none"> RES3 - NC March Computational Fluency - - http://bridges.mathlearningcenter.org/view/nc1-ig-7mar#35 (link) 	
LE10		<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments Number Line: How does one number relate to another?</i></p> <ul style="list-style-type: none"> Understand that number families repeat in numbers beyond 100 Understand that 10 decades equals 1 century Examine expanded notation <p>Resources</p> <ul style="list-style-type: none"> RES12 - NC March Number Line - - http://bridges.mathlearningcenter.org/view/nc1-ig-7mar#45 (link) 	
LE11		<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments Parent Letter to be sent home at the start of the unit</i></p> <p>Resources</p> <ul style="list-style-type: none"> RES1 - Unit 5 Parent Overview - - http://www.mathlearningcenter.org/sites/default/files/documents/family/PAR-BR1-U5V.pdf (link) 	
T/U/Q/K/S Q2	LE12	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i></p>	

		<p>How can I identify a shape when given specific defining attributes?</p> <ul style="list-style-type: none"> ● Recognizing pattern block shapes by their defining attributes ● Understanding geometry vocabulary ● Identify, name, describe, compare two-dimensional shapes including triangles, rectangles, hexagons and trapezoids <p>Resources</p> <ul style="list-style-type: none"> • RES14 - U5M1S1 "What's in the Box?" - - http://bridges.mathlearningcenter.org/view/br1-tg-u5-m1#Z (link) • RES31 - Virtual Pattern Blocks - - http://www.glencoe.com/sites/common_assets/mathematics/ebook_assets/vmf/VMF-Interface.html (link) • RES38 - ABCya shapes - Online resource game - http://www.abcya.com/shapes_geometry_game.htm (link) • RES44 - illuminations shapes - Online resource game - http://illuminations.nctm.org/Activity.aspx?id=3577 (link) • RES47 - illumination shape tool - Online resource game - http://illuminations.nctm.org/Activity.aspx?id=3587 (link) • RES51 - smart tutor first grade shapes - Online resource game - http://thinkonline.smarttutor.com/first-grade-online-2d-shapes-activity-using-pattern-blocks/ (link) 	
<p>T/U/Q/K/S Q2</p>	<p>LE13</p>	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> How can I organize shapes according to their color, shape and size?</p> <ul style="list-style-type: none"> ● Group, compare and defend shapes according to their various attributes <p>Resources</p> <ul style="list-style-type: none"> • RES21 - U5M1S2 "Shape Sorting with Attribute Cards" - - http://bridges.mathlearningcenter.org/view/br1-tg-u5-m1#15 (link) 	
<p>T/U/Q/K/S Q2</p>	<p>LE14</p>	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> How can I use what I know about shapes and their defining attributes to fill a defined area?</p> <ul style="list-style-type: none"> ● Given what you know about shapes, use strategies to fill in an area of a larger shape <p>Resources</p> <ul style="list-style-type: none"> • RES8 - U5M1S3 Introducing workplace 5A: "Last Shape in Wins" - - http://bridges.mathlearningcenter.org/view/br1-tg-u5-m1#21 (link) 	

<p>T/U/Q/K/S Q1</p>	<p>LE15</p> <p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> How can we use a variety of pattern blocks to fill in the same shape three different ways and discuss the differences?</p> <p>• Compare the different ways to create a larger shape</p> <p>Resources</p> <ul style="list-style-type: none"> • RES20 - U5M1S4 Introducing workplace 5B: "Pattern Block Puzzles: How many ways?" - - http://bridges.mathlearningcenter.org/view/br1-tg-u5-m1#27 (link) 	
<p>T/U/Q/K/S Q2</p>	<p>LE16</p> <p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> What questions can I ask to determine a mystery shape?</p> <ul style="list-style-type: none"> • use geometry vocabulary terms to determine a specific shape • sort two-dimensional shapes by color, shape and size • compose shapes with multiple shapes <p>Resources</p> <ul style="list-style-type: none"> • RES9 - U5M1S5 "There's a Shape in my Pocket" HCP.71-73 "Last Shape in Wins" - - http://bridges.mathlearningcenter.org/view/br1-tg-u5-m1#35 (link) • RES28 - U5M4S2 Workplace 5F "Shape Sorting and Graphing. - (precut shapes ahead of time for workplace graph) 	
<p>LE17</p>	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> Let's Talk Shapes Transfer Task</p> <p>Resources</p> <ul style="list-style-type: none"> • RES22 - MPS - Teacher Directions & Checklist U5M4S1 & U5M4S3 	
<p>T/U/Q/K/S Q1</p>	<p>LE18</p> <p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> What are some examples of everyday three-dimensional objects found in our classroom?</p> <ul style="list-style-type: none"> • Search, identify, name, describe and compare three-dimensional shapes (cube, rectangular prisms, triangular prisms, pyramids, cylinders, cones and spheres) <p>Resources</p>	

T/U/Q/K/S Q2	LE19	<ul style="list-style-type: none"> RES10 - U5M2S1 "Shape Detectives" - - http://bridges.mathlearningcenter.org/view/br1-tg-u5-m2#Z (link) <p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> How can I use what I know about shapes to determine a sorting rule?</p> <ul style="list-style-type: none"> Predict possible sorting rules for a given three-dimensional shape (cube, rectangular prisms, triangular prisms, pyramids, cylinders, cones and spheres) <p>Resources</p> <ul style="list-style-type: none"> RES23 - U5M2S2 "Mystery Bag Sorting" - - http://bridges.mathlearningcenter.org/view/br1-tg-u5-m2#11 (link) RES24 - HCP. 74-75 "Three Dimensional Shape Hunt" - RES34 - 3D Shape games - online resource game - http://www.sheppardsoftware.com/mathgames/earlymath/shapes_shoot.htm (link) 	
T/U/Q/K/S Q2	LE20	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> How can I use what I know about two-dimensional shapes to determine if a series of shapes will fold into a three-dimensional shape?</p> <ul style="list-style-type: none"> Predict, build and test configurations of squares to build a cube Predict, build and test configurations of triangles with one square to build a pyramid <p>Resources</p> <ul style="list-style-type: none"> RES16 - U5M2S4 "Cube Studies" - - http://bridges.mathlearningcenter.org/view/br1-tg-u5-m2#19 (link) RES32 - Introducing Workplace 5C "Cube Predictions" - RES39 - MPS Pick & Build Workplace - (shared drive) RES41 - U5M2S5 "Four Triangles & One Square" - - http://bridges.mathlearningcenter.org/view/br1-tg-u5-m2#25 (link) RES45 - Introducing Workplace 5D - "Pyramid Predictions" RES49 - illuminations cube folding - online resource - http://illuminations.nctm.org/Activity.aspx?id=3544 (link) RES52 - identify solid shapes - online resource game - http://www.adaptedmind.com/pgamev21.php?tagId=1122&utm_expId=33853517-61.IQTpEGo4Rs2fpLUA0aw.0&utm_referer=http%3A%2F 	

		<p>www.adaptedmind.com/2FFirst-Grade-Math-Worksheets-And-Exercises.html (link)</p> <ul style="list-style-type: none"> RES53 - HCp.76-77 - "Addition, Subtraction and Shapes" 	
	LE21	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> MPS Structure Transfer Task (shared drive)</p>	
T/U/Q/K/S Q3	LE22	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> How can I show a variety of equal parts from using one shape?</p> <ul style="list-style-type: none"> Demonstrate 3 different ways to divide a square into halves and quarters Demonstrate different ways to divide a circle into halves and quarters <p>Resources</p> <ul style="list-style-type: none"> RES6 - U5M3S3 - "Sandwich Fractions" RES26 - U5M3S4 - "Paper Pizzas" RES35 - Read - "The Doorbell Rang" by Pat Hutchins. Model story with paper cookies RES43 - Fractions game - online resource game - http://www.sheppardsoftware.com/mathgames/fractions/memory_fractions1.htm (link) RES48 - Kite Shading - online resource game - http://www.iboard.co.uk/activity/Kite-Shading-477 (link) 	
T/U/Q/K/S Q3	LE23	<p>Activity: <i>Key Learning Events and Resources, in relation to Stage 2 Assessments</i> How can I use what I know to identify and compare fractions, write the fraction in numeral form and to create a visual model?</p> <ul style="list-style-type: none"> Determine what's missing from a visual representation of equal parts Color in the missing parts to match a written fraction Compare and match a teacher's fraction model to student fraction Bingo board <p>Resources</p> <ul style="list-style-type: none"> RES18 - U5M3S5 - "Fraction Bingo" (split lesson into 2 days. Day 1 complete Bingo board. Day 2 Play Bingo game.) RES33 - HCp. 81-82 - "Fractions, Doubles and Halves" 	

		<ul style="list-style-type: none"> • RES40 - Fraction match - online resource game - http://www.sheppardsoftware.com/mathgames/fractions/equivalent_fractions_shoot.htm (link) • RES42 - Bears Pizza - online resource game - http://www.iboard.co.uk/activity/Pizza-Bears-30Z (link) • RES46 - Pizza Fractions - online resource game - http://www.softschools.com/math/fractions/games/ (link) • RES50 - Flag Fractions - online resource game - http://resources.oswego.org/games/fractionflags/fractionflags.html (link) 	
LE24		<p>Activity: Key Learning Events and Resources, in relation to Stage 2 Assessments MPS Cake Wars PBA Resources</p> <ul style="list-style-type: none"> • RES15 - MPS Cake Wars PBA - 	

ADDITIONAL INFORMATION		
RESOURCES		
No.	Description	Files / Links
RES1	Unit 5 Parent Overview -	http://www.mathlearningcenter.org/sites/default/files/document/s/family/PAR-BR1-U5V.pdf (link)
RES2	NC March Calendar Collector -	http://bridges.mathlearningcenter.org/view/hc1-tg-7mat#21 (link)
RES3	NC March Computational Fluency -	http://bridges.mathlearningcenter.org/view/hc1-tg-7mat#35 (link)
RES4	NC February Computational Fluency -	http://bridges.mathlearningcenter.org/view/hc1-tg-6feb#35 (link)
RES5	NC February Calendar Collector -	http://bridges.mathlearningcenter.org/view/hc1-tg-6feb#21 (link)
RES6	U5M3S3 - "Sandwich Fractions"	
RES7	NC March Calendar Grid -	http://bridges.mathlearningcenter.org/view/hc1-tg-7mat#11 (link)
RES8	U5M1S3 Introducing workplace 5A: "Last Shape in Wins" -	http://bridges.mathlearningcenter.org/view/br1-tg-u5-m1#21 (link)
RES9	U5M1S5 "There's a Shape in my Pocket" HCp.71-73 "Last Shape in Wins" -	http://bridges.mathlearningcenter.org/view/br1-tg-u5-m1#55 (link)
RES10	U5M2S1 "Shape Detectives" -	http://bridges.mathlearningcenter.org/view/br1-tg-u5-m2#7 (link)
RES11	NC March Days in School -	http://bridges.mathlearningcenter.org/view/hc1-tg-7mat#29 (link)
RES12	NC March Number Line -	http://bridges.mathlearningcenter.org/view/hc1-tg-7mat#45 (link)
RES13	NC February Calendar Grid -	http://bridges.mathlearningcenter.org/view/hc1-tg-6feb#11 (link)

RES14	U5M1S1 "What's in the Box?" -	http://bridges.mathlearningcenter.org/view/br1-tg-u5-m1#7 (link)
RES15	MPS Cake Wars PBA -	
RES16	U5M2S4 "Cube Studies" -	http://bridges.mathlearningcenter.org/view/br1-tg-u5-m2#19 (link)
RES17	NC February Days in School -	http://bridges.mathlearningcenter.org/view/hc1-tg-6feb#29 (link)
RES18	U5M3S5 - "Fraction Bingo" (split lesson into 2 days, Day 1 complete Bingo board, Day 2 Play Bingo game.)	
RES19	NC February Number Line -	http://bridges.mathlearningcenter.org/view/hc1-tg-6feb#45 (link)
RES20	U5M1S4 Introducing workplace 5B: "Pattern Block Puzzles: How many ways?" -	http://bridges.mathlearningcenter.org/view/br1-tg-u5-m1#27 (link)
RES21	U5M1S2 "Shape Sorting with Attribute Cards" -	http://bridges.mathlearningcenter.org/view/br1-tg-u5-m1#15 (link)
RES22	MPS - Teacher Directions & Checklist U5M4S1 & U5M4S3	
RES23	U5M2S2 "Mystery Bag Sorting" -	http://bridges.mathlearningcenter.org/view/br1-tg-u5-m2#11 (link)
RES24	HCp. 74-75 "Three Dimensional Shape Hunt" -	
RES25	Online Game-Math Madness -	http://www.fuelthebrain.com/games/math-madness/ (link)
RES26	U5M3S4 - "Paper Pizzas"	
RES27	Fairy Clock Activity - Give your students a time to set on the fairy clock	http://www.ictgames.com/fairyClock_v6.html (link)
RES28	U5M4S2 Workplace 5F "Shape Sorting and Graphing. - (precut shapes ahead of time for workplace graph)	
RES29	Youtube Video - Counting by 2's, 5's and 10's with a Leprechaun	https://www.youtube.com/watch?v=eSvz1lkviH4 (link)
RES30	Youtube Video: A Very Greedy Triangle -	https://www.youtube.com/watch?v=Z5Y_WmD3J7g&safe=active (link)

RES31	Virtual Pattern Blocks -	http://www.glencoe.com/sites/common_assets/mathematics/ebook_assets/vmf/VMF-Interface.html (link)
RES32	Introducing Workplace 5C "Cube Predictions" -	
RES33	HCp. 81-82 - "Fractions, Doubles and Halves"	
RES34	3D Shape games - online resource game	http://www.sheppardsoftware.com/mathgames/earlymath/shapes_shoot.htm (link)
RES35	Read - "The Doorbell Rang" by Pat Hutchins. Model story with paper cookies	
RES36	Online Game- Learn to Tell Time ABCya -	http://www.abcya.com/telling_time.htm (link)
RES37	The Greedy Triangle by -	
RES38	ABCya shapes - Online resource game	http://www.abcya.com/shapes_geometry_game.htm (link)
RES39	MPS Pick & Build Workplace - (shared drive)	
RES40	Fraction match - online resource game	http://www.sheppardsoftware.com/mathgames/fractions/equivalent_fractions_shoot.htm (link)
RES41	U5M255 "Four Triangles & One Square" -	http://bridges.mathlearningcenter.org/view/br1-tg-u5-m2#25 (link)
RES42	Bears Pizza - online resource game	http://www.iboard.co.uk/activity/Pizza-Bears-307 (link)
RES43	Fractions game - online resource game	http://www.sheppardsoftware.com/mathgames/fractions/memory_fractions1.htm (link)
RES44	illuminations shapes - Online resource game	http://illuminations.nctm.org/Activity.aspx?id=3577 (link)
RES45	Introducing Workplace 5D - "Pyramid Predictions"	
RES46	Pizza Fractions - online resource game	http://www.softschools.com/math/fractions/games/ (link)
RES47	illumination shape tool - Online resource game	http://illuminations.nctm.org/Activity.aspx?id=3587 (link)
RES48	Kite Shading - online resource game	http://www.iboard.co.uk/activity/Kite-Shading-477 (link)
RES49	illuminations cube folding - online resource	http://illuminations.nctm.org/Activity.aspx?id=3544 (link)
RES50	Flag Fractions - online resource game	http://resources.oswego.org/games/fractionflags/fractionflags.htm

		ml (link)
RES51	smart tutor first grade shapes - Online resource game	http://thinkonline.smarttutor.com/first-grade-online-2d-shapes-activity-using-pattern-blocks/ (link)
RES52	identify solid shapes - online resource game	http://www.adaptedmind.com/pgamev2L.php?tagId=1122&utm_expid=33853517-61.LOTpEGo4Rs2sfpLoLUA0aw.0&utm_referrer=http%3A%2F%2Fwww.adaptedmind.com%2FFFirst-Grade-Math-Worksheets-And-Exercises.html (link)
RES53	HCp.76-77 - "Addition, Subtraction and Shapes"	
COMMENTS / NOTES		