

number of objects is the same regardless of the arrangement. For example a group of 6 objects is the same quantity regardless of wether they are scattered or arranged in a line, circle, regctangle, die or domino patttern.

1. Make sense of problems and persevere in solving them.

2. *Reason abstractly and quantitatively. Students understand that numbers represent quantity.

🔂 3. Construct viable arguments and critique the reasoning of others. Students represent their arguments through the act of counting objects and stating the total quantity counted. They also represent their arguments when counting out a quantity of objects to represent a numeral. They critique each other's reasoning when discussing whether they agree or disagree with peers who have counted the same set of objects.

***4, Model with mathematics.** Students model the value of numbers with objects and visuals.

5. Use appropriate tools strategically.

6. Attend to Precision. Students attend to the precise sequence of number names when counting. This includes attention to the value of zero.

7. Look for and make use of structure. Students will recognize the appropriate order for saying the counting sequence. Students recognize the familiar visual arrangements to

			begin subitizing.		
			*8. Look for and express regularity in repeated reasoning. Students use their understanding of the structure and sequence of numbers to count appropriately in a variety of contexts. They use repated reasoning to understand that the value of a number is consistent regardless of the arrangement of objects. (Conservation of number)		
			Advanced Skills/Concepts: Some students may be read to ~ Subitize (instantly recognize) objects in different arrangments and begin using small groups or units when counting objects. ~ Use grouping strategies when they count. ~ Begin predicting "what's next?" when asked about the next number in a sequence.		
		 K.CC.A.1 - Know number names and the count sequence ~ Count to 100 by ones and by tens. K.G.A.1 - Identify and describe shapes ~ Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to. 	K.CC.1= Routines		
🚹 Grade Kindergarten	Math Position Lar	nguage Unit can be one to two we and can be assessed in C		ies into October	
Enduring Understandings	Essential X	Standards 🔀	Knowledge & Skills ≍	Academic Language	
Positional words can be used to describe relative position of objects in real life environment and numbers in the counting sequence.	How are positional words used in math?	K.G.A.1 - Identify and describe shapes ~ Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to.	Language for relative position of objects to model and describe objects in their environment.	 Above Below Beside 	
Objects and people have position relative to other objects.		WIDA.2012.K.3.1 - Entering ~ Indicate attributes of objects (e.g., "big", "small") using gestures and words in small groups	Knowledge of position and position language when using and describing the counting sequence.	 In Front of Behind Next to 	
			Make Sense of Problems and	On top of	

Inside

Under

Outside

persevere in solving them. Students will make sense of the position terms to describe and model relative positions of objects and numbers.

Reason abstractly and quantitatively. Students will reason about the sequence of numbers and the terms used to describe it.

Construct viable arguments and critique the reasoning of others. Students construct arguments when they explain the locations of objects or numbers, or why they have used a particular term to describe the position. They will critique others when they explain why they agree or disagree with them regarding the positional language or position used in the placement of objects or numbers.

* Model with mathematics. Students will begin using mathematical terms to describe objects in real life contexts. They will begin looking at numerals in context of location.

Use appropriate tools strategicially. Students use their objects to model the positional language.

* Attend to Percision. Students attend to precision by listening to the precise language of directions and either repeating or acting out situations involving relative positions.

Look for and make use of structure. Through developing understanding of positional words, students will be able to describe the counting sequence.

			 Look for and express regularity in repeated reasoning. Students will use repeated reasoning as they connect the use of position language to both real-world objects and number positions. Positional words of above, below, beside, in front of, behind, next to so that they can follow directions using these precise terms. Apply the understanding of positional words to describe objects in real life context. Use positional words to describe numbers and objects. 	
		K.CC.A.1 - Know number names and the count sequence ~ Count to 100 by ones and by tens.	Count from 1-12.	
 Kindergarten Math Enduring Understandings Each successive number name refers to a quantity that is one larger. The last number name said is the total number of objects counted. Relationships between numbers and quantities; connect counting to cardinality. Knowledge of numbers 0-redict order and sequence in higher numbers (10-20, 20-30, etc) 	Essential Questions	it is approximately 4-5 weeks. Standards K.CC.A.2 - Know number names and the count sequence ~ Count forward beginning from a given number within the known sequence (instead of having to begin at 1). K.CC.A.3 - Know number names and the count sequence ~ Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects). K.CC.B.5 - Count to tell the number of objects ~ Count to answer "how many?" questions about as many as 20 things in a scattered configuration; given a number from 1–20, count out that many objects.	 & Skills Prerequisite Skills/Concepts: ~ Fluency in counting numbers 0-10. ~ Knowledge of number sequence. ~ Connecting "how many" with each number within 10. Knowledge: Students will know ~ Numerals. 	Academic Language (*)

Count out a given quantity of objects within 20.

Skills: Students will be able to do...

Write numerals for quantitis within 20.

Skills: Students will be able to do...

Connect a numeral with a quantity.

Highlighted Mathematical Practices: (Practices to be explicity emphasized are indicated with an *.)

1. Make sense of problems and persevere in solving them.

*2. Reason abstractly and quantitatively. Students will use their understanding of position and quantity to count from any given number. They reason about the value of the numbers as they count quantities of objects and pictures or count out objects.

*3. Construct viable arguments and critique the reasoning of others. Students construct arguments when they explain why they believe a quantity should be labled with a particular number or numeral. They critique each others' reasoning when they explain why they agree or disagree with totals or representations.

*4. Model with mathermatics. Students will count within 10 and use manipulatives, pictures, symbols,

		 language and real-world situations to create models for each number. 5. Use appropriate tools strategically. 6. Attend to precision. Students attend to the precise language and order of the count sequence. They make sure they use the appropriate name for the quantity. *7. Look for and make use of structure. Students will apply understanding of numbers 0-10 to count and quantify numbers 0-20. *8. Look for and express regularity in repeated reasoning. Students can apply what they know 0-10 to the next 10 numbers based on the nature of our base-10 system. Advanced Skills/Concepts: ~ Application of Base- 	
	 K.CC.A.1 - Know number names and the count sequence ~ Count to 100 by ones and by tens. K.CC.B.4 - Count to tell the number of objects ~ Understand the relationship between numbers and quantities; connect counting to cardinality. K.CC.B.4a - Count to tell the number of objects ~ When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object. K.CC.B.4b - Count to tell the number of objects ~ Understand that the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted. K.CC.B.4c - Count to tell the number of objects ~ Understand that each successive number name refers to a quantity that is one larger. 	count other number sequences within 100. Transfer: Students will apply ~Knowledge of numbers 0-10 to count and represent numbers up to 20. ~ Counting skills to answer the questions of "how many" for as many as 20 objets arranged in a line, a rectangular arry, or a circle, or as many as 10 things a scattered configuration given a number from 1-20, count out that many objects.	



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each group.

Skills: Students will be able to do...

Compare and/or order groups by quantity.

Skills: Students will be able to do...

Measure and compare 2 objects using appropriate comparing words.

Skills: Students will be able to do...

Write all numerals within 20.

Skills: Students will be able to do...

Group objects by specific attributes.

Advanced Skills/Concepts:

~ Comparision of numbers using addition and subtraction number stories.

Highlighted Mathematical Practices: (Practices to be explicitly emphasized are indicated with an *.)

1. Make sense of problems and persevere in solving them.

*2. Reason abstractly and quantitatively.

3. Construct viable arguments and critique the reasoning of others.

4. Model with mathematics.

5. Use appropriate tools strategically.

*6. Attend to precision.

7. Look for and make

Perfo	rformancePLUS 7/19/17, 2:49 PM						
			 K.CC.A.1 - Know number names and the count sequence ~ Count to 100 by ones and by tens. K.CC.A.3 - Know number names and the count sequence ~ Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects). K.CC.B.4 - Count to tell the number of objects ~ Understand the relationship between numbers and quantities; connect counting to cardinality. 	use of structure. *8. Look for and express regularity in repeated reasoning. Transfer: <i>Students will apply</i> ~ Knowledge of quantity within numbers to sort objects into categories by count. ~ Understanding of attributes to categorize objects. ~ Describing objects based on measurable attributes. ~ Comparison language to describe			
December	Enduring Understandings 🔀	Essential Questions	Standards X	the relationship between two objects based on measurable attributes. Knowledge & Skills	Academic Language		
January D(G Kindergarten Math Enduring Understandings [⋈]	Combinations With Essential Questions	nin 5 Approximate Time Frame: 4 w Standards	veeks Knowledge & Skills	Academic Language		
	 The quanity of numbers can be combined in different groups of numbers. Numbers can be decomposed with objects, fingers, mental images, drawings, sounds, acting out situations, verbal explanations, expressions, or equations and can be demonstrated in more than one way. Number combinations are used for addition and subtraction of numbers within 5. Numbers are composed of other numbers. Numbers can be 	 How many combinations of numbers can you find within 2? 3? 4? 5? How can we represent number combinations within 5? How can knowing how to put together and take apart numbers help form other numbers? 	 K.OA.A.1 - Understand addition, and understand subtraction ~ Represent addition and subtraction with objects, fingers, mental images, drawings1, sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations. K.OA.A.2 - Understand addition, and understand subtraction ~ Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem. K.OA.A.3 - Understand addition, and understand subtraction ~ Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., 5 = 2 + 3 and 5 = 4 + 1). K.OA.A.5 - Understand addition, and understand subtraction ~ Fluently add 	 Prerequisite Skills/Concepts: Understand quantity of numbers within 5. Write numbers within 20. Understanding of decomposition of numbers. Understanding of cardinality. Knowledge: Students will know Put together and take apart models. Skills: Students will be able to do 	 Decompose Compose Addition Subtraction Subtraction Word Problems Number Numeral Equation Represent Take Apart Put together 		

decomposed into other numbers.

	Use knowledge of number combinations to fluenty add and subtract within 5. Skills: Students will be able to do Represent addition	Additions sign/plus sign Subtraction sign/minus sign Supplemental Terms:
	and subtraction with multiple modalities. Skills: Students will be able to do	Modality
	Represent addition and subtraction word problems with objects or drawings.	
	Highlighed Mathematical Practices: (Practices to be explicity emphasized are indicated with an *.)	
	1. Make sense of problems and persevere in solving them.	
	*2. Reason abstractly and quantitatively. Students will demonstrate abstract reasoning when recording composition and decomposition with written symbols.	
	*3. Construct viable arguments and critique the reasoning of others. Students will use different modalities to construct their arguments regarding number quantity and different cobinations of number. They will critique each other when they discuss the validity of various representations.	
	*4. Model with mathematics. Students will represent number combinations with objects, fingers, drawings, expressions, equations, to model addition and	
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0.10					7,10,17, 2.40 H
				subtraction.	
				*5. Use appropriate tools strategically. Students will use tools such as links, snap cubes, color tiles, dice, dominoes, five and ten frames, number bonds, dot cards, two-color counters and various other counters to look at different combinations of the same number.	
				6. Attend to precision.	
				*7. Look for and make use of structure. Students use the structures inherent in composition and decomposition of numbers to build fluency of number combinations within 5 as foundation for additition/subtraction.	
				8. Look for and express regularity in repeated reasoning.	
			K.CC.A.1 - Know number names and the count sequence ~ Count to 100 by ones and by tens.	Transfer: Students will apply	
			K.CC.A.3 - Know number names and the count sequence ~ Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).	~ Knowledge of counting numbers and cardinality to build fluency of number combinations to 5.	
				~ Understanding of composition and decomposition to model real word situations involving addition and subtraction within 5.	
ary	🚹 Kindergarten Math	Combinations with	in 10 Approximate Time Frame: 4	Weeks	
February	Enduring Understandings	Essential X Questions	Standards 🛛 🕅	Knowledge 💥 & Skills	Academic Language
	Different combinations of numbers within 10 represent addition and subtraction.	How are word problems connected to number combinations?	K.OA.A.1 - Understand addition, and understand subtraction ~ Represent addition and subtraction with objects, fingers, mental images, drawings1,	Prerequisite Skills/Concepts: ~ Use number	Decompose
	Word problems can be represented with objects or drawings.	How can I combine numbers to	sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.	combinations within 5 to add and subtract.	Addition
		make a new number?	K.OA.A.2 - Understand addition, and	~ Undestanding of cardinatlity.	

Equations can be build by decomposing numbers in more than one way.

Quantities can be created using a variety of individual sets.

understand subtraction ~ Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.

K.OA.A.3 - Understand addition, and understand subtraction ~ Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., 5 = 2 + 3 and 5 = 4 + 1).

K.OA.A.4 - Understand addition, and understand subtraction ~ For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.

K.OA.A.5 - Understand addition, and understand subtraction ~ Fluently add and subtract within 5. 🔂 Numeral

🖸 Equation

🔯 Represent

~ Represent word problems with objects or drawings.

Knowledge: Students will know...

Combinations of 10 using modalities.

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Number combinations within 5.

Skills: Students will be able to...

Use knowledge of number combinations to fluenty add and subtraction within 5.

Skills: Students will be able to...

Represent addition and subtraction word problems with multiple modalities within 10. (objects and drawings)

Skills: Students will be able to...

Extend number combinations of 5 to combinations within 10 by using objects or drawings, and record the answer with a drawing or equations.

Advanced Skills/Concepts:

~ Students can build word problems using all modalities.

~ Students can extend combinations of 10 to fluent additions/subtraction within 10.

Highlighted Mathematical Practices: (Practices to be explicitly emphasized are

indicated with an *.) *1. Make sense of problems and persevere in solving them. Students will make sense of realword problems by representing the situations using manipulatives, pictures and equations. 2. Reason absractly and quantitatively. Students reason about the quantities they represent by making sure their visual models accurately represent the numerals and vice versa. 3. Construct viable arguments and critique the reasoning of others. Students construct arguments regarding the accuracy of their representations and critique others' reasoning when they consider whether they agree or disagree with their representations. 4. Model with mathematics. Students create visual models of the realworld problems using manipulatives and diagrams. They can also tell stories to represent numerical expressions and equations. 5. Use appropriate tools strategically. 6. Attend to precision. 7. Look for and make use of structure. Students exhibit understanding of this practice when they show that the number changes when you add or subtract, exvept when adding

> 8. Look for and express regularity in repeated reasoning.

or subtracting zero.

				Students demonstrate repeated reasoning when they show that there are multiple combinations of numbers that equal the same number, and there are multiple strategies to solve addition and subtraction problems.	
				Transfer: Students will apply Number knowledge to solve addition and	
				subtraction word problems, involving adding to, taking from, putting together and taking apart situations.	
March	🚹 Kindergarten Math	Teen Numbers Ap	proximate Time Frame: 8 Weeks		
Ma	Enduring Understandings	Essential X Questions	Standards X	Knowledge & Skills	Academic Language
	Teen numbers are composed of a group of ten and some more.	How can I put together and take apart teen numbers?	 K.CC.A.2 - Know number names and the count sequence ~ Count forward beginning from a given number within the known sequence (instead of having to begin at 1). K.NBT.A.1 - Work with numbers 11-19 to gain foundations for place value ~ Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (such as 18 = 10 + 8); nderstand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones. K.OA.A.1 - Understand addition, and understand subtraction ~ Represent addition and subtraction with objects, fingers, mental images, drawings1, sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations. 	 Prerequisite Skills/Concepts: Students should already be able to Fluency in combinations to 5. Work with combinations to 10 using modalities. Word problems using objects or drawings as well as recording the answer with drawings or equations. Knowledge: Students will know Number names for teen numbers. Skills: Students will be able to do Decompose/compose teen numbers into a group of ten and some ones, using modalities as well as a numerical representation. Skills: Students will be able to do 	 Decompose Compose Teen number Number Numeral Equation Unit Leftover Remainder Supplemental Terms: Base-ten system Digit ones, tens, hundreds

Use objects/drawings to show how many tens and ones are in a number 11-19.

Skills: Students will be able to do...

Record compositions and decompositions using an equation.

Advanced Skills/Concepts: Some students may be ready to...

~ Students will compose and decompose teen numbers using equations and explain the relationship of equations to the value of the numbers.

~ Students compose and decompose numbers using doubles and doubles +1.

Highlighted Mathematical Practices: (Practices to be explicitly emphasized are indicated with an *.)

*1. Make sense of problems and persevere in solving them. Students will compose and decompose teen numbers.

2. Reason absractly and quantitatively. Student reason about the teen quantities they represnt by making sure their visual models and drawings accuratley represent the numerals.

3. Construct viable arguments and critique the reasoning of others .Students construct arguments regarging the accuracy of their representations and critique others reasoning when they consider weather they agree or disagree with

renomancer 200				7/13/17, 2.43	, , ,,,,
			 their representations. 4. Model with mathematics. Students will use manipulatives, drawing and ten frames to represent the teen numbers. 5. Use appropriate tools strategically. Students will use appropriate manuipulatives to show teen numbers. 6. Attend to precision. Students will count and re count to check for precision when making teen numbers. 7. Look for and make use of structure. Students will be sure that every teen number is composed of a ten and some ones. 8. Look for and express regularity in repeated reasoning. Students will 		
		K.CC.A.1 - Know number names and the count sequence ~ Count to 100 by ones and by tens. K.CC.A.3 - Know number names and the count sequence ~ Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects). K.OA.A.5 - Understand addition, and understand subtraction ~ Fluently add and subtract within 5.			
Enduring Understandings	Flat Shapes No Ti Essential Questions	me Frame Listed Standards	Knowledge & Skills	Academic Language	**
Two-dimensional shapes are flat.	How can I describe a 2 D shape?	K.G.A.1 - Identify and describe shapes ~ Describe objects in the environment using names of shapes, and describe the	Prerequisite Skills/Concepts: Students should	Square	

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 Attributes are used to compare and analyze shapes. Basic shapes are used to create more complex shapes. Two dimensional shapes can be built from components. The location of objects are described by using positional words. 		relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to. K.G.A.2 - Identify and describe shapes ~ Correctly name shapes regardless of their orientations or overall size. K.G.B.4 - Analyze, compare, create, and compose shapes ~ Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length). K.G.B.5 - Analyze, compare, create, and compose shapes ~ Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. K.G.B.6 - Analyze, compare, create, and compose shapes ~ Compose simple shapes to form larger shapes	already be able to: ~ Use positional language (above, below, next to, behind, in front of, beside) to describe the location of objects. Knowledge: Students will know Names of two- dimensional shapes (squares, circles, triangles, rectangles) Knowledge: Students will know Defining attributes of flat shapes. Skills: Students will be able to do Draw shapes (circle, square, rectangle, triangle, hexagon) Skills: Students will be able to do Build two-dimensional shapes from smaller shapes. Skills: Students will be able to do Build two-dimensional shapes for smaller shapes. Skills: Students will be able to do Analyze and compare two-dimensional shapes using informal language (e.g. number of sides and vertices/ "corners" or having sides of equal length). Highlighted Mathematical Practices: (Practices to be explicitly emphasized are indicated with an *.) 1. Make sense of problems and persevere in solving them. *2. Reason about the attributes of two dimensional figures.	 Circle Triangle Rectangle Attribute Side Length Vertices Corners Supplemental Terms: Orientation
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	a c r 4 n S S s a s s a S S S S S S S S S S S S S	Construct viable irguments and critique the easoning of others. Model with nathematics. Students find flat shapes in their world und reconstruct the shapes using nathematical tools. Use appropriate ools strategically.
	S to s c fi	Students will use tools o construct flat hapes and to compose composite gures using flat hapes.
	p u to a s	6. Attend to precision. Students use informal language to describe flat shapes and will build complex thapes from simple thapes.
	u S tt o A a tt	Y. Look for and make ise of structure. Shapes do not change heir name, regardless of orientation or size. A shape can come in a variety of sizes, but he name is not dentified by its size.
	e r S a d d d a a	8. Look for and express regularity in epeated reasoning. Students will analyze and compare two- limensional shapes to liscuss similarities and differences between them.
	 K.CC.A.3 - Know number names and the count sequence ~ Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects). K.NBT.A.1 - Work with numbers 11-19 to gain foundations for place value ~ Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation 	Transfer: Students will apply Knowledge of positional language to lescribe 2- limensional shapes in he environment egardless of their ize or orientation. Knowledge of 2- limensional figures to dentify them and lescribe their features n real-world ituations.

K.OA.A.5 - Understand addition, and understand subtraction ~ Fluently add and subtract within 5.		
Kindergarten Math Solid Shapes Approximate Time Frame: 4-5 weeks		
Enduring 👷 Essential 💥 Standards	Knowledge & Skills	Academic Language
 Three-dimensional shapes have unique attributes. Three-dimensional shapes have specific names regardless of their orientations or overall size. Shapes can be used to build pictures, designs and other shapes. Shapes can be build from components. Shapes can be build from components. K.G.A.1 - Identify and describe shapes - Base objects using terms such as above, below, beside, in front of, behind, and next to. K.G.A.2 - Identify and describe shapes - dimensional and 3-dimensional and 3-dimensional shapes. Shapes can be build from components. K.G.A.3 - Identify and describe shapes - dentify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional (lying in a plane, "flat") or three-dimensional (solid). K.G.B.4 - Analyze, compare, create, and compose shapes - Analyze and compase three and ther shapes. K.G.B.5 - Analyze, compare, create, and compose shapes - Model shapes in the world by building shapes. K.G.B.6 - Analyze, compare, create, and compose shapes - Model shapes in the world by building shapes. K.G.B.6 - Analyze, compare, create, and compose shapes - Model shapes in the world by building shapes. K.G.B.6 - Analyze, compare, create, and compose shapes - Compose simple shapes. 	 Prerequisite Skills/Concepts: Students will compose, analyze, and compare flat shapes to build descriptive knowledge of geometric attributes. Knowledge: Students will know Attributes of flat and solid shapes. Knowledge: Students will know Attributes of flat and solid shapes. Knowledge: Students will know Attributes of and 3- dimensional shapes. Skills: Students will be able to do Analyze and compare 2 and 3-dimensional shapes, in different sizes and orientations, using informal anguage to describe heir similarities, differences, parts and other attributes. 	 Attribute Side Length Orientation Square Circle Triangle Rectangle Hexagon Cube Cone Cylinder Sphere Solid shape Faces Rectangular prism

Skills: Students will be able to do...

Identify shapes as "flat" or "solid."

Advanced Skills/Concepts:

Students will determine defining attributes of 3dimensional figures.

Highlighted Mathematical Practices: (Practices to be explicitly emphasized are indicated with an *.)

1. Make sense of problems and persevere in solving them.

*2. Reason abstractly and quantitatively. Students reason about the attributes of three dimensional figures.

3. Construct viable arguments and critique the reasoning of others.

4. Model with mathematics. Students find flat shapes in their world and reconstruct the shapes using mathematical tools.

5. Use appropriate tools strategically. Students will use tools to construct solid shapes and to compose composite figures using solid shapes.

*6. Attend to precision. Students use informal language to describe solid shapes and will build complex shapes from simple shapes.

7. Look for and make use of structure. Shapes do not change their name, regardless of orientation or size. A shape can come in a variety of sizes, but

				the name is not identified by its size. *8. Look for and express regularity in repeated reasoning. Students will analyze and compare three dimensional shapes to discuss similarities and differences between them.		
			 K.CC.A.1 - Know number names and the count sequence ~ Count to 100 by ones and by tens. K.CC.A.3 - Know number names and the count sequence ~ Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects). K.NBT.A.1 - Work with numbers 11-19 to gain foundations for place value ~ Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (such as 18 = 10 + 8); nderstand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones. 	Transfer: <i>Students will apply</i> ~ Knowledge of two- dimensional shapes to three-dimensional shapes to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length). ~ Modeling of shapes in the world by building shapes from components and drawing shapes.		
June	Enduring Understandings	Essential X Questions	Standards 🛛 🕅	Knowledge 💥 & Skills	Academic Language	×
July	Enduring Understandings	Essential X Questions	Standards 🛛 🕅	Knowledge _X & Skills	Academic Language	×