Life Skills Mathematics 7 & 8

Numbers and Operations

Unit 1 Money Recognition

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons Objectives / Suggested Resources	Vocabulary	Standards/ Eligible Content
30 Days	There are many ways to represent numbers , relationships among numbers and number systems.	How do we count money?	Represents numbers in equivalent forms	Express equivalencies with numbers and quantities (match)	Resources: SRA Connecting Math Concepts Level A workbook 1 SWBA to match identical numbers from 1-2. SWBA to match two sets of items with 1-2 items each. SWBA to match numeral to quantity	Match Least Most Lower Higher Same	M7 & 8.A.A.1.1 M7 & 8.A.A.1.1a M7 & 8.A.A.1.1b
	There are many ways to represent numbers, relationships among numbers and number systems.	How do we count money?	Represents numbers in equivalent forms	Compare quantities and magnitudes (size) of numbers including: 1. Scan the array 2.Compare quantities 3. Count items	Resources: www.thatquiz.org www.Sheppardsoftware.com Touch Math (images) Teacher generated Worksheets SWBA scan materials	Match Least Most Lower Higher Same	M7 & 8.A.A.1.2.a (LA) M7 & 8.A.A.1.2.b (LA) M7 & 8.A.A.1.2.c (LA) M7 & 8.A.A.1.2.d (LA)

				4.Identify, count and compare money or prices	SWBA to select a set with 1 SWBA to select set with most/least SWBA to select one or five dollar bill. SWBA to count aloud items or dollars starting at two or more with a bridge. SWBA to count out items or dollars from a large set SWBA to select 1, 5, 10, or 25 cents . SWBA to order 3 sets of evenly spaced items less than 19. SWBA to order 3 consecutive numbers or prices.		M7 & 8.A.A.1.2.a (LB) M7 & 8.A.A.1.2.b (LB) M7 & 8.A.A.1.2.c (LB) M7 & 8.A.A.1.2.d (LB)
Unit 1 Money Recognition Assessment							
Unit 2 Computation with Numbers less than 20							
Estimated Unit Time Frames	**Big Ideas**	**Essential Questions**	**Concepts (Know)**	**Competencies (Do)**	**Lessons Objectives / Suggested Resources**	**Vocabulary**	**Standards/ Eligible Content**
40 Days	There are many ways to represent	Why do we need to put	Compute accurately and fluently and	Apply estimation strategies (match	Resources: SRA Connecting Math Concepts Level A workbook 1	Same	M7 & 8.A.A.3.1(LC)

	numbers, relationships among numbers and number systems.	numbers together?	make reasonable estimates	approximate equal quantities)	SWBA to select a quantity that is enough		
	There are many ways to represent numbers, relationships among numbers and number systems.	Why do we need to put numbers together?	Compute accurately and fluently and make reasonable estimates	Computes accurately (add, subtract, multiply and divide)	Resources: SRA Connecting Math Concepts Level A workbook 1 SWBA to add 2 numbers by counting. SWBA to add three numbers named and shown with sums by counting (less than 10) SWBA to subtract two numbers or process by counting items. SWBA to select an equation to represent addition. SWBA to select an equation to represent subtraction (single digit)	Add Subtract Same equal	M7 & 8.A.A.3.2.a(LB) M7 & 8.A.A.3.2.b(LB) M7 & 8.A.A.3.2.c(LB)
	There are many ways to represent numbers, relationships among numbers and number systems.	Why do we need to put numbers together?	Compute accurately and fluently and make reasonable estimates	Computes accurately (add, subtract, multiply and divide)	Resources: SRA Connecting Math Concepts Level A workbook 1 SWBA to multiply number by counting. (Numbers less than 20) SWBA to divide items by counting. (numbers less than 20)	Multiply Divide Same equal	M7 & 8.A.A..2.2. (LB) M7 & 8.A.A.3.2.f (LC) M7 & 8.A.A.3.2.g (LC)

Unit 2 Computation with numbers less than 20 Assessment							
Unit 3 Ratios (Fractions)							
Estimated Unit Time Frames	**Big Ideas**	**Essential Questions**	**Concepts (Know)**	**Competencies (Do)**	**Lessons Objectives / Suggested Resources**	**Vocabulary**	**Standards/ Eligible Content**
30 Days	There are many ways to represent numbers, relationships among numbers and number systems.	What are the parts of a whole?	Represent fractions as part of a whole	Solve problems involving fractions (read and select)	www.Sheppardsoftware.com Fraction manipulative Pizza Game Flash Cards SWBA to read a simple fractions. SWBA to select items divided evenly and in the number of pieces specified. SWBA to select pictures with biggest or smallest Fractions.	Fractions Part whole Biggest Smallest	M7 & 8.A.A..2.2. (LB) M7 & 8.A.A..2.2.b (LC) M7 & 8.A.A..2.2.c (LC)
Unit 3 Ratios (Fractions) Assessment							
Measurement							
Unit 4 Measurable Attributes							

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons Objectives / Suggested Resources	Vocabulary	Standards/ Eligible Content
40 days	There are many measurable attributes to measure objects and figures, and the units, systems and process needed to measure.	Why is it important to measure things?	Convert measurements Apply appropriate tools and techniques to determine measurements.	Measure an object with choices. Match and compare lengths.	www.Sheppardsoftware.com www.thatquiz.org SWBA to measures length. SWBA to match objects, pictures of items with same length. SWBA to matches identical shapes, objects, pictures, photographs of same size. SWBA to select longest or shortest objects from pictures of items, photograph of items SWBA to select biggest or smallest objects from pictures of items, photograph of items	Larger Smaller Longest Shortest Length	M7 & 8.B.A.1.1a.(LA) M7 & 8.B.A.1.1b.(LA) M7 & 8.B.A.1.1c.(LA) M7 & 8.B.A.1.1d.(LA) M7 & 8.B.A.2.1a.(LB)
	There are many measurable attributes to measure objects and figures, and the units, systems and process needed to measure	Why is it important to measure things?	Convert measurements	Match and compare areas and volumes.	www.Sheppardsoftware.com www.thatquiz.org SWBA to measure area by counting ubits. SBBA to select the smallest/largest area by counting units. SWBA to match items with same volume. SWBA to match items with same capacity.	Larger Smaller Longest Shortest Area Volume	M7 & 8.B.A..1.1e.(LA) M7 & 8.B.A..1.1f.(LA) M7 & 8.B.A..1.1g.(LA) M7 & 8.B.A..1.1eh(LA) M7 & 8.B.A..1.1i.(LA) M7 & 8.B.A.2.1b.(LB) M7 & 8.B.A.2.1c.(LB)

					SWBA to select the items that hold the most or least.. SWBA to select item to space. SWBA to select a full or empty item.		
	There are many measurable attributes to measure objects and figures, and the units, systems and process needed to measure	Why is it important to measure things?	Convert measurements	Match and compare time	www.Sheppardsoftware.com www.thatquiz.org SWBA to select a clock by function. SWBA to read analog time. SWBA to read digital time. SWBA to match identical digital time. SWBA to select an activity that takes the most or least amount of time.	Clock Digital Analog Time Most Least	M7 & 8.B.A..1.1j.(LA) M7 & 8.B.A..1.1k.(LA) M7 & 8.B.A..1.1il(LA) M7 & 8.B.A..1.1b.(LB) M7 & 8.B.A..1.1c.(LB) M7 & 8.B.A..1.1d.(LB)
Unit 4 Measurable Attributes Assessment							
Geometry							
Unit 5 Geometric Properties							

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons Objectives / Suggested Resources	Vocabulary	Standards/ Eligible Content
20 Days	Two- and three dimensional objects can be described, classified, analyzed by their attributes, and their location can be described quantitatively.	How can we classify different geometric objects?	Understand and analyze the characteristics and properties of geometric shapes	Identify, use and/or describe properties of angles, triangles, quadrilaterals,, circles, pyramids, cubes, prisms, spheres, cones, and /or cylinders.	www.Sheppardsoftware.com www.thatquiz.org SWBA to classify different geomantic shapes as triangles , quadrilateral ans/or circles.	Triangles Quadrilaterals Circles Properties Characteristics.	M7 & 8.C.A..1.1j.(LA)
Unit 5 Geometric Properties Assessment							
Data Analysis and Probability							
Unit 6 Data Analysis							
Estimated Unit Time Frames	**Big Ideas**	**Essential Questions**	**Concepts (Know)**	**Competencies (Do)**	**Lessons Objectives / Suggested Resources**	**Vocabulary**	**Standards/ Eligible Content**
20 Days	Some questions can be answered by collecting, organizing, representing, and analyzing	How do I make and read a graph?	Chose, Display or interpret data	Interpret data displays, including interpreting graphs and tables.	www.mathworksheets4kids.com www.math-aids.com/graphs www.thatquiz.org SWBA to select the largest/ smallest values.	Bar graph pictograph	M7 & 8.E.A.1.1a (LB) M7 & 8.E.A.1.1b (LB)

	data, and the question to be answered determines the data collected, how to best collect it and how to best represent it				SWBA to select the largest/ smallest values from a graph.		
	Some questions can be answered by collecting, organizing, representing, and analyzing data, and the question to be answered determines the data collected, how to best collect it and how to best represent it	How do I make and read a graph?	Select and/or use mean Median or mode	Describe, compare and/or contrast data using mean, median, mode or range	www.Sheppardsoftware.com www.thatquiz.org SWBA to select the mode on a graph.	Data Mode Median Mean	M7 & 8.E.A.1.2 (LB)
	Some questions can be answered by collecting, organizing, representing, and analyzing data, and the question to be answered determines	How do I make and read a graph?	Determine theoretical and experimental probability	Determine the probability of an event.	www.Sheppardsoftware.com www.thatquiz.org www.math-aids.com/graphs SWBA to select most/least likely item given the characteristics of a population.		M7 & 8.E.A.3.1 (LC)

	the data collected, how to best collect it and how to best represent it						
Unit 6 Data Analysis Assessment							