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	SWBA to select a set with 1	M7 & 8.A.A.1.2.a
		and compare		(LB)
		money or prices	SWBA to select set with	M7 & 8.A.A.1.2.b
			most/least	(LB)
				M7 & 8.A.A.1.2.c
			SWBA to select one or five dollar	(LB)
			bill.	M7 & 8.A.A.1.2.d
				(LB)
			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	
			SWDA to colored 1 5 40 or 25	
			SWBA to select 1, 5, 10, or 25	
			cents.	
			SWBA to order 3 sets of evenly	
			spaced items less than 19.	
			spaced items less than 15.	
			SWBA to order 3 consecutive	
			numbers or prices.	
			name of prices.	
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Unit 1 Money Recognition Assessment

Unit 2 Computation with Numbers less than 20

Estimated	Big Ideas	Essential	Concepts	Competencies	Lessons Objectives / Suggested	Vocabulary	Standards/ Eligible
Unit Time		Questions	(Know)	(Do)	Resources		Content
Frames							
40 Days	There are	Why do we	Compute	Apply estimation	Resources:	Same	M7 & 8.A.A.3.1(LC)
•	many ways to	need to put	accurately and	strategies (match	SRA Connecting Math Concepts		
	represent		fluently and		Level A workbook 1		

	numbara	numbers	make reasonable	annravimata			
	numbers, relationships	together?	estimates	approximate equal quantities)	SWBA to select a quantity that is		
	among	together:	estillates	equal qualitities)	enough		
	numbers and				ellougii		
	number						
	systems.	Why do we	Camanuta	Camanutas	December :		NAT 0 0 A A 2 2 a/LD\
	There are		Compute	Computes	Resources:	Add	M7 & 8.A.A.3.2.a(LB)
	many ways to	need to put numbers	accurately and	accurately (add,	SRA Connecting Math Concepts Level A workbook 1		M7 & 8.A.A.3.2.b(LB)
	represent		fluently and	subtract, multiply	Level A Workbook 1	Subtract	M7 & 8.A.A.3.2.c(LB)
	numbers,	together?	make reasonable	and divide)	CIA/DA to odd 2 gwrah are hy		
	relationships		estimates		SWBA to add 2 numbers by	Same	
	among				counting.	Same	
	numbers and number				SWBA to add three numbers		
						equal	
	systems.				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.		
					represent addition.		
					SWBA to select an equation to		
					represent subtraction (single		
					digit)		
	There are	Why do we	Compute	Computes	Resources:	Multiply	M7 & 8.A.A2.2. (LB)
	many ways to	need to put	accurately and	accurately (add,	SRA Connecting Math Concepts	ividitiply	M7 & 8.A.A.3.2.f (LC)
	represent	numbers	fluently and	subtract, multiply	Level A workbook 1	Divide	M7 & 8.A.A.3.2.g
	numbers,	together?	make reasonable	and divide)	Level A WOLKDOOK 1	Divide	(LC)
	relationships	together:	estimates	and divide)	SWBA to multiply number by	Same	(LC)
	•		Estillates		counting. (Numbers less than	Janie	
	among numbers and				20)	ogual	
	numbers				20)	equal	
					SWPA to divide items by		
	systems.				SWBA to divide items by counting. (numbers less than 20)		
					counting. (numbers less than 20)		
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Unit 2 Computation with numbers less than 20 Assessment

Unit 3 Ratios (Fractions)

Estimated	Big Ideas	Essential	Concepts	Competencies	Lessons Objectives / Suggested	Vocabulary	Standards/ Eligible
Unit Time		Questions	(Know)	(Do)	Resources		Content
Frames							
30 Days	There are	What are the	Represent	Solve problems	www.Sheppardsoftware.com	Fractions	M7 & 8.A.A2.2. (LB)
	many ways to	parts of a	fractions as part	involving			M7 & 8.A.A2.2.b
	represent	whole?	of a whole	fractions (read	Fraction manipulative	Part	(LC)
	numbers,			and select)	Pizza Game		M7 & 8.A.A2.2.c
	relationships				Pizza Gairie	whole	(LC)
	among				Flash Cards		
	numbers and					Biggest	
	number				SWBA to read a simple fractions.		
	systems.				SWBA to read a simple fractions.	Smallest	
					SWBA to select items divided		
					evenly and in the number of		
					pieces specified.		
					pieces specified.		
					SWBA to select pictures with		ļ
					' '		
					biggest or smallest Fractions.		

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	Why is it	Convert	Measure an	www.Sheppardsoftware.com	Larger	M7 & 8.B.A.1.1a.(LA)
•	many	important to	measurements	object with	www.thatquiz.org		M7 & 8.B.A.1.1b.(LA)
	measurable	measure		choices.		Smaller	M7 & 8.B.A.1.1c.(LA)
	attributes to	things?	Apply				M7 & 8.B.A.1.1d.(LA)
	measure objects and		appropriate tools and techniques	Match and compare lengths.	SWBA to measures length.	Longest	M7 & 8.B.A.2.1a.(LB)
	figures, and		to determine		SWBA to match objects, pictures	Shortest	
	the units,		measurements.		of items with same length.		
	systems and					Length	
	process				SWBA to matches identical		
	needed to				shapes, objects, pictures,		
	measure.				photographs of same size.		
1					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		
	There are	Why is it	Convert	Match and	www.Sheppardsoftware.com	Larger	M7 &
	many	important to	measurements	compare areas	www.thatquiz.org		8.B.A1.1e.(LA)
	measurable	measure		and volumes.		Smaller	M7 & 8.B.A1.1f.(LA)
	attributes to	things?			SWBA to measure area by		M7 &
	measure objects and				counting ubits.	Longest	8.B.A1.1g.(LA) M7 &
	figures, and				SBBA to select the	Shortest	8.B.A1.1eh(LA)
	the units,				smallest/largest area by	Siloitest	M7 & 8.B.A1.1i.(LA)
	systems and				counting units.	Area	M7 & 8.B.A.2.1b.(LB)
	process				Counting units.	7.1.00	M7 & 8.B.A.2.1c.(LB)
	needed to				SWBA to match items with same	Volume	a o.b.,(Lb)
	measure				volume.		
					SWBA to match items with same capacity.		

				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.A1.1j.(LA) M7 & 8.B.A1.1k.(LA) M7 & 8.B.A1.1il(LA) M7 & 8.B.A1.1b.(LB) M7 & 8.B.A1.1c.(LB) M7 & 8.B.A1.1c.(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.A1.1j.(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)

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

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