

Designer Name(s): Andrea and Sami

Date: 6-4-2014

Subject Area: Math

Grade Level(s): Kindergarten

Unit Title/Focus: (Lessons 111-120)

Estimated Amount of Instructional Time: ~12 days

Stage 1 – (Desired Results)

*State Content and Skill Standards: CCSS and section overview card*

**Domain:** Operations and Algebraic Thinking

Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

**Domain:** Geometry

Cluster: Analyze, compare, create, and compose shapes.

*Enduring Understandings: (what are the big ideas, what are the specific understandings desired) enduring understanding*

Students will **Understand**

**Know number names and count sequence**

- K.CC.1
- K.CC.2
- K.CC.3

**Count to tell the number of objects**

- K.CC.4
- K.CC.4(b-c)
- K.CC.5

**Compare numbers**

- K.CC.6

**Understands addition as putting together and adding to and understanding subtraction as taking apart and taking from.**

- K.OA.1
- K.OA.2
- K.OA.3
- K.OA.4
- K.OA.5

**Describe and Compare Measurable Attributes**

- K.MD.1
- K.MD.2

**Classify objects and count the number of objects in each category**

- K.MD.3

**Identify and Describe Shapes**

- K.G.2
- K.G.3

**Analyze, Compare, create, and compose shapes**

- K.G.4
- K.G.5
- K.G.6

Saxon Language **from section overview "enduring Understandings**

- Different coins can be used to count to 30 cents.

*Essential Questions: (what questions will foster inquiry, understanding, and transfer of learning)*

*Promoting the mathematical Practices from Saxon card*

- How many pennies equal 30 cents?
- What coin combinations are worth 30 cents?
- What are the doubles to ten?
- What kinds of things can I use to act out a story problem?

**Extend and Challenge Questions**

- How did you know where to put the missing number cars?

- Pennies are used to pay for small amounts
- A double is a number plus itself
- Word problems can be acted out using manipulative.

## Big Idea

Identifying Numbers to 30, Sphere, Ordering by Size, Identifying Quarter & Dollar, Using Coins, Finding Half, Doubles, Equivalent Sets, Acting out Word Problems with Manipulatives, Capacity, Length

From [saud.us/Page/23207](http://saud.us/Page/23207)

*What Students will know: (what knowledge will they acquire)*

### Math Vocabulary – New

Doubles, fifth, largest, matching sets, smallest, sphere, sum

### Maintained

Capacity, estimate, flip, left, medium, more, one half, parallelogram, right, slide, total, turn, whole

### Saxon Lessons Summary from titles of lesson cards

- Numbers 11-30
- Spheres
- Order Objects by Size
- Shorting Money and Time
- Exploring Tangrams
- Whole and Half Shapes
- Doubles
- Acting out "Some, Some, More"
- Estimating and Measuring Capacity
- Writing numbers through 30
- Solving a problem by guessing and checking

*What Students will be able to do: (what will they eventually be able to do as a result of their skills learned/knowledge)*

### Objectives

- Identify the Numbers 11-30
- Identify and Ordering the Numbers 1-30
- Reading a Pattern in Two Ways
- Sorting and Graphing Coins
- Identifying Most and Fewest
- Identifying the Value of a Set of Nickels and a Set of Dimes
- Covering Designs Using Tangrams
- Paying for Items Using Nickels, Dimes, or a Quarter
- Identifying and Matching Equivalent Sets

## Stage 2 - Assessment Evidence (acceptable assessment evidence that students understand)

*Performance Tasks: (what authentic performance task (s) will students demonstrate understanding: by what criteria will it be judged?)*

### (what they do in Saxon Lessons)

- Identify number 11-30
- Ordering spheres by size
- Sort coins
- Cover designs using tangrams
- Identify parts of a shape
- Pay for items using coins
- Play dominos (Identifying doubles)
- Act out "Some, Some, More" using teddy bears
- Use linking cubes to measure/capacity
- Solve story problems by guessing and

*Other Evidence: (quizzes, tasks, academic prompts, homework, observations)*

### Assessment

- **Oral Assessment 12**  
*(Counting by 10's to 100 Comparing and Measuring Length)*
- **Teacher Observations**
- **Lesson Practice**

checking
<b>Stage 3 - Learning Plan (sequence of teaching and learning activities that will produce desired understandings, engagement and development) Use WHERETO elements to help you:</b>
<p><i>Learning Activities:</i></p> <p><b>Saxon Table of Contents Lessons 111-120</b></p> <p>Lesson 111- Identifying the Numbers 11-30</p> <p>Lesson 112- Identifying a Sphere, Ordering Objects by Size</p> <p>Lesson 113- Sorting Coins, Comparing Events According to Duration of Time, Identifying a Quarter and a Dollar</p> <p>Lesson 114- Covering Designs using Tangrams, Exploring Slides, Turns and Flips</p> <p>Lesson 115- Identifying Largest and Smallest Shapes, Identifying and Covering Half of a Shape</p> <p>Lesson 116- Paying for Items using Pennies, Nickels, Dimes or a Quarter</p> <p>Lesson 117- Identifying a Matching Equivalent Sets, Identifying Doubles</p> <p>Lesson 118- Identifying and Matching Equivalent, Identifying Doubles</p> <p>Lesson 119- Acting Out "Some, Some, More" Stories</p> <p>Lesson 120-1- Estimating and Measuring the Capacity of Containers using Nonstandard Units, Ordering Containers by Capacity, Writing Numerals Through 30 to Label a Set</p> <p>Lesson 120-2- Solving a Problem by Guessing and Checking</p>

W=help the students know WHERE the unit is going and WHAT is expected/Help teacher to know where the students are coming from (prior knowledge, interests)

H=HOOK all students and hold their interest

E=EQUIP students, help them EXPERIENCE the key ideas and EXPLORE the issue

R=Provide opportunities to RETHINK and REVISE their understanding/work

E (2)=Allow students to EVALUATE their work

T=Be TAILORED (personalized) to different needs, interests, and abilities of learners

O=Be ORGANIZED to maximize initial and sustained engagement as well as effective learning

<b>Assessment Tasks that Provide Evidence for Claims including DOK</b>	<input type="checkbox"/> <b>Claim #1 (Concepts and Procedures)</b> <b>Depth of Knowledge (DOK) <i>Circle One</i></b> <b>1 - Recall and Reproduction (Below Basic)</b> <b>2 - Skills and Concepts (Basic)</b> <b>3 - Short Term Strategic Thinking (Proficient)</b> <b>4 - Extended Thinking (Advanced)</b>
	<input type="checkbox"/> <b>Claim #2 (Problem Solving)</b> <b>Depth of Knowledge (DOK) <i>Circle One</i></b> <b>1 - Recall and Reproduction (Below Basic)</b> <b>2 - Skills and Concepts (Basic)</b> <b>3 - Short Term Strategic Thinking (Proficient)</b> <b>4 - Extended Thinking (Advanced)</b>
	<input type="checkbox"/> <b>Claim #3 (Communicating Reasoning)</b> <b>Depth of Knowledge (DOK) <i>Circle One</i></b> <b>1 - Recall and Reproduction (Below Basic)</b> <b>2 - Skills and Concepts (Basic)</b> <b>3 - Short Term Strategic Thinking (Proficient)</b> <b>4 - Extended Thinking (Advanced)</b>
	<input type="checkbox"/> <b>Claim #4 (Modeling and Data Analysis)</b> <b>Depth of Knowledge (DOK) <i>Circle One</i></b>

	<b>1 - Recall and Reproduction</b> ( <i>Below Basic</i> ) <b>2 - Skills and Concepts</b> ( <i>Basic</i> ) <b>3 - Short Term Strategic Thinking</b> ( <i>Proficient</i> ) <b>4 - Extended Thinking</b> ( <i>Advanced</i> )
<b>Achievement Level Descriptors</b>	<b>ALD #1:</b> <b>ALD #2:</b> <b>ALD #3:</b> <b>ALD #4:</b> (circle one): <i>(Grade Level Goal ALD #3)</i>
<b>Materials/Resources</b>	<b>Spherical objects, nickels, dimes, quarters, pennies, one dollar bill, construction paper rectangles, bags, sticky notes, dominoes, containers of differing capacity, straws</b>

### Math Domains Key

CC	Counting and Cardinality
OA	Operations and Algebraic Thinking
NBT	Number and Operation in Base Ten
MD	Measurement and Data
G	Geometry