



Sacramento  
City Unified  
School District

**Pre – K and Early Kindergarten**

**Parent Guide for Understanding the Math Common Core**

	<b>Counting and Cardinality</b>	<b>Operations and Algebraic Thinking</b>	<b>Measurement and Data</b>	<b>Geometry</b>
<b>Students will be able to:</b>	<ul style="list-style-type: none"><li>• Recite numbers 1-20.</li><li>• Recognize written numbers up to 10.</li><li>• Count up to 10 objects using one object for each number word.</li><li>• Understand the name of a number corresponds to a quantity of objects.</li></ul>	<ul style="list-style-type: none"><li>• Compare, by counting or matching, two groups of up to five objects.</li><li>• Understand that groups of objects can be put together or taken apart to make new groups of different quantities.</li><li>• Recognize, duplicate and create simple patterns.</li></ul>	<ul style="list-style-type: none"><li>• Compare objects by length and/or weight.</li><li>• Sort and classify objects by one or more characteristics</li><li>• Understand the principles and uses of measuring</li></ul>	<ul style="list-style-type: none"><li>• Identify location and position of objects.</li><li>• Identify and describe 2- and 3-dimensional shapes.</li><li>• Combine different shapes to create a picture or design.</li></ul>
<b>Schools will support by providing opportunities to:</b>	<ul style="list-style-type: none"><li>• Learn songs that promote the memorization of the number sequence.</li><li>• Participate in counting activities throughout the day.</li></ul>	<ul style="list-style-type: none"><li>• Compare relationships between quantities using terms such as “more than”, “less than”, the “same as”, “altogether”, or “left over”.</li><li>• Use concrete objects to solve simple addition and subtraction problems within 5.</li><li>• Create and observe patterns using concrete objects, sounds and movements.</li></ul>	<ul style="list-style-type: none"><li>• Communicate using terms such as “longer/shorter”, “heavier/lighter”.</li><li>• Explore the size and weight of objects using a variety of tools.</li><li>• Engage in group and individual activities to identify and classify objects.</li><li>• Ask open-ended questions related to prediction and measurement.</li></ul>	<ul style="list-style-type: none"><li>• Use vocabulary such as “above/below”, “up/down”, “on/off”, and “in/out”.</li><li>• Explore how shapes can be made from other shapes</li><li>• Compare and contrast different shapes.</li></ul>
<b>Parents can support by:</b>	<ul style="list-style-type: none"><li>• Playing counting games with buttons, socks, or other household items.</li><li>• Singing counting songs.</li><li>• Reading number related books.</li><li>• Talking about numbers as you go through your everyday experiences.</li></ul>	<ul style="list-style-type: none"><li>• Describing patterns in clothing or pictures.</li><li>• Playing matching games.</li><li>• Singing songs that have repeated rhyming phrases.</li></ul>	<ul style="list-style-type: none"><li>• Comparing sizes and weights of similar household items (books or toys).</li><li>• Playing sorting games.</li><li>• Classifying items by size, shape or color.</li></ul>	<ul style="list-style-type: none"><li>• Finding different shapes in the environment.</li><li>• Reading books about shapes.</li><li>• Playing “I Spy” games. Describe an object is using terms such as “above”, “behind” etc. until your child can name the object.</li></ul>

## **Pre-K and Early Kindergarten Students:**

- Count and recognize numbers to 20.
- Understand that the name of a number corresponds to the amount of objects.
- Count and compare up to five objects in two groups, and take apart groups to make new quantities.
- Solve addition and subtraction problems within 10 using concrete objects.
- Compare, sort, and classify objects by characteristics such as: length, weight, size, shape, and color.
- Create patterns using concrete objects, sounds, and movements.

## **Resources:**

*Sacramento City Unified School District*  
<http://www.scusd.edu/commoncoredept>

- ✓ Links to documents for California (CCS) Common Core Standards, including videos for the Standards for Mathematical Practice

*Parent-Teacher Association*  
<http://www.pta.org/446.htm>

- ✓ Parent Guides including key items that children should be learning in mathematics in each grade.

*California Department of Education*  
<http://www.cde.ca.gov/re/cc/index.asp>

- ✓ Informational flyers provide overviews and highlights of the Math CCS
- ✓ Handouts for parents on transitioning to CCS
- ✓ Link to *Council of Great City Schools Parent Roadmaps*
- ✓ Links to *Smarter Balanced Assessments*

## **How Parents Can Support:**

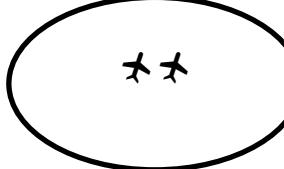
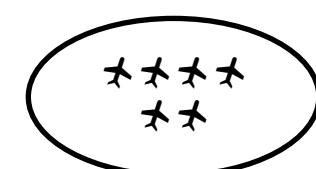
- Count the number of steps across the kitchen.
- Sing counting songs such as “Ten Little Monkeys”, “This Old Man”, or “Diez Perritos”.
- Recite nursery rhymes with numbers, shapes or patterns.
- Make 2 groups of objects and ask your child, “Which group has more/less?”
- Put away laundry together. Sort by color, size or type.
- Create a picture together using various geometric shapes with your child.
- Share how you use math in your daily life.

## **How Things Have Changed:**

Expectations of students have changed a great deal with the adoption of the Common Core State Standards in Mathematics. While getting the right answer is still a great achievement, students are now required to think mathematically, communicate their thinking, and justify their reasoning while continuing to develop a greater level of understanding of how math works.

## **Previous California Standards Assessment:**

Which group has more objects?



## **Common Core Standards Assessment:**

Explain how you know Group A has more objects than group B.

*Created by Sacramento City Unified School District*