


## Math at Home Activities

Measurement Topic	 <u>At home, your child can...</u>
<b>Counting and Cardinality</b>	<ul style="list-style-type: none"> <li>✓ count items in the house such as toys, books, or cookies.</li> <li>✓ move and count (e.g. jumping jacks, bouncing balls, etc.).</li> <li>✓ sort snacks (e.g. by size, shape, color, etc.).</li> <li>✓ put objects into groups to count and compare how many are in each group (e.g. forks and spoons, shoes, etc.).</li> <li>✓ draw a picture and count groups of items in the picture (e.g. How many family members? toys? pets? flowers?).</li> <li>✓ identify patterns in the environment (e.g. clothing, music, decorations, packages).</li> <li>✓ create patterns using toys, pictures, words, or movements.</li> <li>✓ describe patterns by their repeating unit (e.g. AB, ABB, ABC).</li> <li>✓ copy and extend patterns created by someone else.</li> <li>✓ create a pattern, count the units of the pattern, and record the number.</li> <li>✓ count from 1 to 100.</li> <li>✓ practice using numbers by:               <ul style="list-style-type: none"> <li>○ counting objects (e.g. windows, doors).</li> <li>○ drawing a picture to show how many were counted.</li> <li>○ writing the numeral to show how many.</li> <li>○ counting two different sets of objects and comparing the amounts.</li> </ul> </li> <li>✓ trace a shoe or hand. Estimate how many items (e.g. pennies, pasta) will cover the space. Write the numeral that tells how many.</li> <li>✓ count up from a given number other than 1 (e.g. count up from 6: 6, 7, 8, 9, 10...). Try counting up from numbers greater than 30.</li> <li>✓ use objects (e.g. plates, utensils, crayons) to show quantities through 10.</li> <li>✓ line up toys and then tell which toy is first, next or last. Explain why.</li> <li>✓ draw a picture of family members in a line and tell the position of each person (Who is first? next? last?).</li> <li>✓ count by 10s through 100.</li> <li>✓ sort coins into pennies, nickels, and dimes. Then count how many of each coin.</li> <li>✓ play "store". Label prices on objects (19¢ or less) and show the coins needed to purchase each object.</li> </ul>
<b>Measurement and Data</b>	<ul style="list-style-type: none"> <li>✓ create a yes/no question to ask others (e.g. Do you like pizza? Do you have a pet?); record and analyze data collected.</li> <li>✓ organize objects (e.g. shoes, hair accessories, toys) by attributes and explain the sorting rule.</li> <li>✓ collect daily weather data and organize the data in a chart.</li> <li>✓ choose a household object (e.g. cereal box) and explain how it can be measured (e.g. height, length, weight).</li> <li>✓ compare the measurements of two objects using math vocabulary (longer than, shorter than, lighter, heavier).</li> <li>✓ use pennies as a non-standard unit of measurement to measure the length of objects. Choose a new non-standard unit of measurement such as blocks or spoons to measure the length of the objects. (Remember that non-standard units of measurement need to be lined up end to end.)</li> <li>✓ use a shoe and find objects that are longer and shorter than the shoe. Make a chart to record the results. Then try finding objects that are lighter or heavier than the shoe.</li> <li>✓ identify where, when, and why objects are weighed.</li> <li>✓ compare the weight of two objects when holding one object in each hand.</li> </ul>