



# CitySteps<sup>TM</sup> Math



Exploring a neighborhood offers rich opportunities for children to see how math is used in their world. Tap into children's interests and questions about their neighborhood to actively explore a variety of math concepts and skills. Look for ways to use your daily activities along with children's interests to plan engaging mathematical experiences.

- ◆ Point out tall buildings in the neighborhood. Share how tall buildings have lots of floors. Invite children to share how many floors are in their buildings.
- ◆ Verbally count the number of steps it takes to get from one place to another on your walk.
- ◆ Plan a field trip to a local restaurant. Point out how numbers are used on the menu and on signs. Create props for a classroom restaurant in your dramatic play center, such as menus and signs.
- ◆ Play games on the playground that challenge children to go **over**, **under**, **around**, **beside**, or **next to** a specific piece of equipment. Make the game simple and fun.
- ◆ Find and read aloud both fiction and nonfiction books along with songs and chants with embedded math themes to promote conversations about math!



## Early Math Skills

<b>Play</b>	<ul style="list-style-type: none"> <li>◆ Uses counters and math vocabulary as part of play</li> <li>◆ Explores quantity with a wide range of materials</li> </ul>
<b>Numbers and Operation</b>	<ul style="list-style-type: none"> <li>◆ Matches and sorts objects by one characteristic or attribute</li> <li>◆ Uses one-to-one correspondence in counting objects</li> <li>◆ Begins to associate a number of objects with names and symbols for numbers</li> <li>◆ Uses words such as more than, less than to express some number concepts</li> </ul>
<b>Geometry and Spatial Sense</b>	<ul style="list-style-type: none"> <li>◆ Names and describes the attributes of common shapes found in the natural environment</li> <li>◆ Uses language to understand the arrangement, order, and position of objects that are on top of, next to, on the bottom, underneath, beside, and in front of other objects</li> <li>◆ Groups objects according to their shape or size</li> </ul>
<b>Patterns, Relationships, &amp; Measurement</b>	<ul style="list-style-type: none"> <li>◆ Groups and names a number of similar objects into simple categories</li> <li>◆ Duplicates simple patterns.</li> <li>◆ Begins to order, compare, or describe objects according to size, length, height, and weight using non-standard forms of measurement</li> </ul>