

Spaghetti and Meatballs for All !
by Marilyn Burns

Parts of the Lesson	Materials Needed
<p>I. Pre-activity: Pasta Graphs Children get a scoop of mixed shapes of pasta, sort and count. Make graphs.</p>	<p>I. Pre-activity: Pasta Graphs -big bowl of <u>mixed uncooked pasta</u> in fun shapes like wheels, bowties, ziti, elbows, corkscrews, etc -plastic baggies, masking tape (for names), and $\frac{1}{2}$ cup measuring cup -photocopies of <u>pasta graph paper</u> so children can make their own bar graphs; <u>colored markers</u> -<u>large graph paper</u> and chart for whole group results (older children)</p>
<p>II. Read the book (Talking points) -How do families behave when they get together? -What is the problem with the tables and chairs? -What do you think of the way the husband and wife divided up the work for planning the family reunion?</p>	<p>II. Read the book. At least one copy of <u>the book</u>. <u>Six squares</u> (representing tables) to model what happens at the party. (Use post-its for tables, and remove them when tables get pushed together. <u>Loops of tape</u> for taping down the paper squares, OR (optional) flannel board</p>
<p>III. Do the math (Activities) Use Cheez-Its®crackers to make pentomino shapes and record the ones that are found. Discuss area and perimeter of each pentomino shape that is "discovered."</p>	<p>III. For the activities -Big box of <u>Cheez-Its®crackers</u> (which are perfect 1" squares). Each child needs 5, plus extras for eating and/or taking home for their "soup." -several sheets of <u>1" graph paper</u> for each child, to draw pentominoes. -<u>pencils or markers</u> for tracing shapes onto graph paper. -<u>Chart paper to show all 12 shapes</u></p>
<p>IV. Wrap Up (Debrief) -Today we made graphs of different kinds of pasta. We showed how shapes made with 5 squares can have different perimeters.</p>	<p>IV. Wrap Up (Take home items) Take home <u>2 baggies</u>: one with pasta and a <u>bouillon packet</u>; another with Cheez-Its®crackers; <u>pentomino worksheet</u>; <u>recipe</u> for making "soup."</p>

