

The Sundae Scoop
by Stuart J. Murphy

Parts of the Lesson	Materials Needed
<p>I. Pre-activity: Favorite Flavors Have children (and parents) tell their favorite ice cream flavors. (When you see the long list you will understand why Winnie had to limit the selection of flavors.)</p>	<p>I. Pre-activity: Favorite Flavors Use <u>chart paper</u> or a <u>blackboard</u>. Have people list their favorites, or give them <u>post-its</u> to write their favorite flavor and post it on the chart.</p>
<p>II. Read the book (Talking points) -Ahead of time, make a long horizontal tree diagram that matches the book. As you read along, cross out choices as they disappear.</p>	<p>II. Read the book. At least one copy of <u>the book</u>. <u>Mural paper (or blackboard)</u> to make the long horizontal tree diagram:</p> <div style="text-align: center;"> <pre> VANILLA / \ HotFudge Caramel / \ / \ Spr Nuts Spr Nuts CHOCOLATE / \ HotFudge Caramel / \ / \ Spr Nuts Spr Nuts </pre> </div>
<p>III. Do the math (Activities) -Winnie's tree diagram is top down -Demonstrate a tree diagram going from bottom up. Don't feel constrained but we suggest 3 ice cream flavors; 2 sauces or no sauce; and Whipped cream or No whipped cream.</p> <div style="text-align: center;"> <pre> WN WN WN WN WN WN WN WN WN \ / \ / \ / \ / \ / \ / \ / \ / \ / Plain Choc Straw Plain Choc Straw Plain Choc Straw / / / / / / / / / VANILLA CHOCOLATE ORANGE </pre> </div> <p>-Have children use tree diagram to place sundae cards across the top of the chart, where they belong.</p>	<p>III. For the activities (using our suggested constraints so you get 18 combinations) -<u>Mural paper</u> for the tree diagram chart - <u>18 sundae cards</u> showing the 18 sundae combinations , for ex: VAN- plain (no sauce) - Whipped cream VAN- plain (no sauce) - No whipped cream VAN-choc sauce - Whipped cream VAN- choc sauce - No whipped cream VAN - strawberry sauce - Whipped cream VAN- strawberry sauce - No whipped cream</p> <p>Then make 6 similar cards for CHOC, and for ORANGE.</p> <p>-If you are having one, purchase <u>items for your sundae party</u>.</p>
<p>IV. Wrap Up (Debrief) -Look for patterns in the chart, count how many of each kind, talk about fractions (1/3 of the sundaes are chocolate, 1/2 have whipped cream)</p>	<p>IV. Wrap Up To guide the wrap-up discussion give children copies of "Analyzing the Chart" (in the appendix). -Follow up <u>Funbook pages 29-30</u> (optional)</p>