


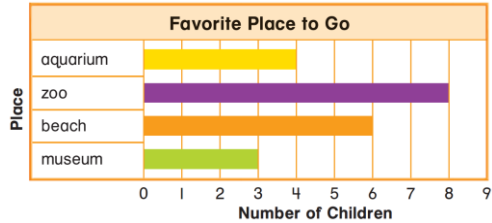
Data and Graphing

<p align="center">Overarching Student Learning Goals</p> <p>In this unit, your child will work to build an understanding of the following:</p>	<p align="center">Resources/Tasks to support your child at home.</p>																																																												
<p>Interpret data shown in simple picture and bar graphs.</p> <p>Example:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <table border="1" data-bbox="296 435 806 618"> <thead> <tr> <th colspan="10">Favorite Season</th> </tr> </thead> <tbody> <tr> <td>spring</td> <td>😊</td><td>😊</td><td>😊</td><td>😊</td><td>😊</td><td>😊</td><td></td><td></td><td></td> </tr> <tr> <td>summer</td> <td>😊</td><td>😊</td><td>😊</td><td>😊</td><td>😊</td><td>😊</td><td>😊</td><td>😊</td><td></td> </tr> <tr> <td>fall</td> <td>😊</td><td>😊</td><td>😊</td><td>😊</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>winter</td> <td>😊</td><td>😊</td><td>😊</td><td>😊</td><td>😊</td><td>😊</td><td>😊</td><td></td><td></td> </tr> </tbody> </table> <p data-bbox="289 630 520 651">Key: Each 😊 stands for 1 child.</p> <div data-bbox="884 402 1089 651" style="border: 1px solid black; padding: 5px;"> <p>How many more children chose Spring than Fall?</p> </div> </div>	Favorite Season										spring	😊	😊	😊	😊	😊	😊				summer	😊	😊	😊	😊	😊	😊	😊	😊		fall	😊	😊	😊	😊						winter	😊	😊	😊	😊	😊	😊	😊			<ul style="list-style-type: none"> • This Picture Graphs video will help your student understand how to solve comparison problems using a picture graph. 6308-solve-compare-problems-using-information-from-a-picture-graph • Point out bar graphs and picture graphs when you see them at home in magazines or on the news. Ask your child which categories had the most, the least, and how many categories the graph includes. 										
Favorite Season																																																													
spring	😊	😊	😊	😊	😊	😊																																																							
summer	😊	😊	😊	😊	😊	😊	😊	😊																																																					
fall	😊	😊	😊	😊																																																									
winter	😊	😊	😊	😊	😊	😊	😊																																																						
<p>Create simple picture and bar graphs from existing data.</p> <p>Example: Dexter asked his classmates which pizza topping is their favorite.</p> <ul style="list-style-type: none"> • 4 classmates chose peppers. • 7 classmates chose meat. • 5 classmates chose mushrooms. • 2 classmates chose olives.  <ol style="list-style-type: none"> Write a title and labels for the bar graph. Draw bars in the graph to show the data. <div data-bbox="296 1044 863 1271"> <table border="1"> <thead> <tr> <th></th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> </tr> </thead> <tbody> <tr> <td>peppers</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>meat</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>mushrooms</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>olives</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table> </div>		0	1	2	3	4	5	6	7	8	9	10	peppers												meat												mushrooms												olives												<ul style="list-style-type: none"> • Creating Bar Graphs and Picture Graphs are explained in this video. https://learnzillion.com/lesson_plans/6466-compare-picture-graphs-and-bar-graphs/ • Gather data at your house and create graphs! Your child can make a chore chart and track how often certain chores are completed with a picture or bar graph. Your child can also poll family members on favorites (food, animal, color etc.) and create a graph to display the data. • Use this website to Make Your Own Picture Graph at home. http://www.softschools.com/math/data_analysis/pictograph/make_your_own_pictograph/ • Students can practice creating their own bar graphs here. https://www.mathsisfun.com/data/bar-graph.html
	0	1	2	3	4	5	6	7	8	9	10																																																		
peppers																																																													
meat																																																													
mushrooms																																																													
olives																																																													

Grade 2

Solve simple addition and subtraction problems with data from graphs.

Example:



How many children chose a place that was not the zoo?

- Using breakfast cereal and index cards (for labels), your child can create a graph. Ask questions that require students to add or subtract. For example, “How many people chose red and blue as their favorite color?”
- [FuzzBugs](http://www.abcya.com/fuzz_bugs_graphing.htm) allows students to sort objects and answer addition and subtraction questions about the graph they created.
http://www.abcya.com/fuzz_bugs_graphing.htm