Activity 1 Assessment Qualitative and Quantitative Data

Collecting, Organizing, and Representing Data Creates questions of interest that generate Collects data using appropriate organizers (e.g., Represents results using various tools. qualitative and/or quantitative data. frequency tables, stem-and-leaf plots). Number of Times "Data" Was Written What types of waste do you have after eating Number of times Frequency your lunch: waste, recycling, organic? "data" written 14 0–9 2 "I will get qualitative data because the possible 12 answers are categories." nber of Students 11 10-19 10 20-29 15 "I organized the data using a frequency table to I can see the number of times most students wrote the word data" 10-19 20-29 Number of Times "I showed the data on a bar graph using many-toone correspondence." **Observations/Documentation**

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Collecting, Organizing, and Representing Data (cont'd) Represents data graphically using many-to-one Creates infographics to show data in appropriate Differentiates between primary and secondary correspondence with appropriate scales and data. ways and incorporates relevant information for a intervals. specific audience. "When I collect information, it is primary data. When I use data collected by someone else, it is Number of Breaths by Grade 4 Students 65 secondary data." Exercise for Grade 4 Students 60 · 55 · 50 -45 -40 -Minutes of Exercise in One Day Exercis 35 30 During Mean Stem Leaf 25 -20 -15 -Median 43 minutes Middle of 42 and 44 = 43 minutes Mode Lamont Abiga Aleenia Is this enough? Student 55 minutes -NO! 7 out of 28 "I showed the data on a multiple-bar graph using students have more than 60 minutes of exercise many-to-one correspondence." "I want Grade 4 students to use the data to decide if they get enough exercise." **Observations/Documentation**