## Activity 4 Assessment

## Interpreting Data

| Data Collection |  |  |
| :---: | :---: | :---: |
| Differentiates between open-ended and closedlist questions <br> What is your favourite fruit? <br> "This is an open-ended question because respondents can answer in their own words." | Collects data using closed-list questions and categories <br> "What is your favourite fruit: orange, apple, banana, grapes, or other?" <br> Orange, apple, apple, grapes, other, banana, orange, ..., orange, apple | Categorizes collected data <br> "I marked a tally each time a student chose a particular fruit." |
| Observations/Documentation |  |  |
|  |  |  |

## Activity 4 Assessment

 Interpreting Data| Data Collection (cont'd) |  |  |
| :---: | :---: | :---: |
| Organizes categorized data in frequency tables <br> "I organized the data in a frequency table so I can see and compare the numbers of students who chose each fruit." | Represents data using bar graphs and dot plots <br> "I showed the data on a bar graph." | Flexibly represents data based on frequency (including stem-and-leaf plots) <br> Masses of Dogs Seen in One Day <br> Key: $1 \mid 2$ means 12 kg <br> "I see the same number of dogs had a mass between 20 kg and 29 kg as between 30 and 39 kg |
| Observations/Documentation |  |  |
|  |  |  |

## Activity 4 Assessment

## Interpreting Data



## Activity 4 Assessment

 Interpreting Data
## Frequency and Mode (cont'd)

Identifies the mode in various representations of data

"The mode is 10 years old because it is the category with the tallest bar."

Recognizes data sets with no mode, one mode, or multiple modes

"The data set has no mode because all the bars are the same height."

Observations/Documentation

