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| **Data Collection** | | |
| Differentiates between open-ended and  closed-list questions  What is your favourite fruit?  “This is an open-ended question because respondents can answer in their own words.” | Collects data using closed-list questions  and categories  “What is your favourite fruit: orange, apple, banana, grapes, or other?”  Orange, apple, apple, grapes, other, banana, orange, …, orange, apple | Categorizes collected data      “I marked a tally each time a student chose a particular fruit.” |
| **Observations/Documentation** | | |
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| **Data Collection (cont’d)** | | |
| Organizes categorized data in frequency tables    “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    “I showed the data on a bar graph.” | Flexibly represents data based on frequency (including stem-and-leaf plots)    “I see the same number of dogs had a mass between 20 kg and 29 kg as between 30 and  39 kg.” |
| **Observations/Documentation** | | |
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