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| **Creating Graphical Displays** | | | |
| Creates graph using on-to-one correspondence    “I ran out of room for  Mars and Pluto” | Creates graphs but omits labels, title, or scale/key | Successfully creates graphs (always of same type) | Creates graphs flexibly; shows same data on different graph types and using different scales |
| **Observations/Documentation** | | | |
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| **Reading and Interpreting Data Displays** | | |
| Notices basic shape of graph  “This bar is the longest. This bar is the shortest.” | Skip-counts symbols or squares to read data  “2, 4, 6, …, 16, 18, 20 squares are shaded. Bonnie laid 20 eggs in October.” | Uses scale to read data    “It is halfway between 16 and 18,  so the bar has length 17.” |
| **Observations/Documentation** | | |
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| **Reading and Interpreting Data Displays (con’t)** | | |
| Makes direct comparisons between data    “Charlotte laid 2 more eggs than Bonnie.” | Describes shape of data (e.g., identifies mode)    “16 eggs were laid most often.”  Or 13, 1, 1, 1, 2, 2, 2, 2, 3, 4  “The mode shoe size is 2.” | Answers questions and draws conclusions from data    “More eggs were laid in October than in February.” |
| **Observations/Documentation** | | |
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