1.2 Misrepresenting Data

Example 3: Distorting the Size of Bars *(Refer to the graph on page 20.)*

1. From graph A, how many times more sales are there of desktops than laptops? Is this an accurate representation? Explain.
2. From Graph B, how many times more sales are there of desktops than laptops? How could Graph B be misleading?

Example 2: Distorting the Visuals *(Refer to the graph on page 20. )*

1. From the pictograph, which pet seems to be the favorite? Explain.
2. From the pictograph, does it seem that more students like cats or dog? Explain.
3. How should the pictograph be redrawn to represent the data more accurately?

Look at the graph in your textbook on page 12, example 1.

1. according to the graph, what did Matthew receive on each test?
2. From the graph, what appears to be true about Matthew’s improvement over the four test scores? What part of the graph has been distorted to create this impression?
3. How should the graph be drawn to represent Matthew’s progress more accurately?
4. What would be more a more accurate conclusion about his improvement?

