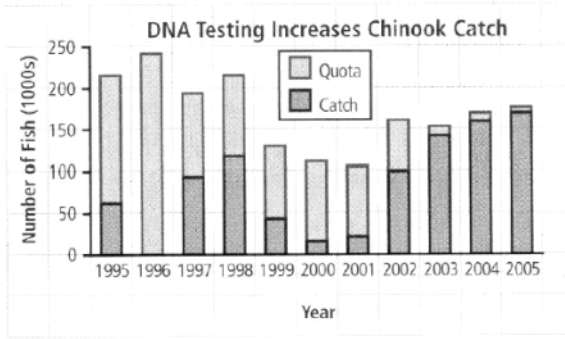


1.3 Critiquing Data Presentation



This kind of graph is called a "stacked bar graph"

Why would this graph be useful to compare quota and catch in each year?

quota + catch are together on 1 graph
→ double line or bar graph would be useful

Does this graph have any features that would make it misleading?

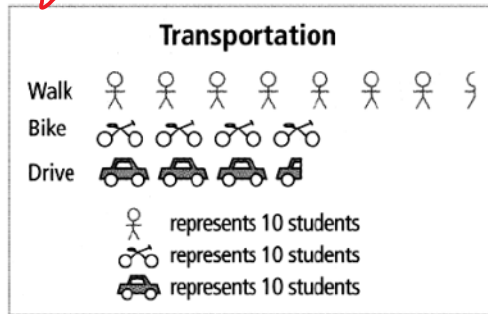
No break in the graph, all the same width

Does the graph support the statement that "DNA testing has increased the number of Chinook Salmon caught?"

"DNA testing has helped fisherman catch close to their quota"

Does this pictograph effectively display the data about how students get to school?

"most students walk to school"



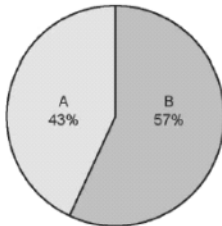
The graph is misleading because...

space and size of symbols is not equal

The graph is informative because... the data is easy to read and could support our conclusion

The organizers of a music concert are deciding between two performers as their headline attraction for a concert in December. The organizers want to use recording sales data to help make their decision. Consider the following graphs.

Recording Sales Over 6 Months



1. What information does the circle graph provide? Explain.

just shows total sales

2. What information does the double bar graph provide? Explain.

Shows sales over time; allows us to compare months

3. The organizers know they must attract a large crowd to cover expenses. Which performer would you select? Justify your answer.

3. The organizers know they must attract a large crowd to cover expenses. Which performer would you select? Justify your answer.

'A' has increasing popularity and will be more popular in 6 months

Factors in critiquing a graph:

1. Graph Type: bar, or circle, or line

2. Graph Format: avoid any misleading features

3. Graph Usefulness: graph should support the conclusion