Grade: 7 Math	Mastery Check
Benchmark #: 7.4.2.3a-b (Misleading Data/Interval changes)	#3

State Language:	Student Friendly Language:	
Recognizes and explains: a) misleading representations of data; b) the effects of scale or interval changes on graphs of data sets	Students understand and are able to explain why a graph is misleading OR how the look of the graph changes if the vertical or horizontal intervals are changed.	
Concept (Students will know): • Difference between vertical (Y axis) and horizontal (X axis) • What interval means • How to read/interpret a graph	**Skills** (Students will do): • Interpret if the data on a graph is misleading • Determine what a graph would look like if the vertical or horizontal intervals are increased or decreased	**DOK Level:** **2**

Big Ideas:
Students understand and are able to explain why a graph is misleading OR how the look of the graph changes if the vertical or horizontal intervals are changed.

Essential Questions:
1. When is a graph misleading?
2. What happens if the horizontal intervals are increased?
3. What happens if the vertical intervals are increased?

Core Materials	Supplemental Materials:
Text Book	Teacher generated Resource workbooks Technology (Study Island/BAIP)

Teaching Strategies:
Guided practice
Create their own graphs/charts/plots

Mastery Check Items: