GUIDELINES FOR CREATING DATA DISPLAYS
Line Graph Scoring Template
(Adapted from the 3 point rubric for MSPAP on the MSDE Website)
mdk12.org/practices/support_success/mspap/mathematics/linegraph/template

Responses to this activity demonstrate the ability to organize and display data in a line graph.

4 = Data are plotted accurately and completely and graph includes 10 of the 12 components.

3 = Data are plotted accurately and completely and graph includes 8 of the 12 components.
<div align="center">OR</div>

3 = Data are generally plotted accurately (baseline of 66%-80%) and graph includes 10 of the 12 components.

2 = Data are plotted accurately and completely and graph includes 6 of the 12 components.
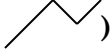<div align="center">OR</div>

2 = Data are generally plotted accurately (baseline of 66%-80%) and graph includes 8 of the 12 components.

1 = Data are plotted somewhat accurately (baseline less than 66%) and graph includes 6 of the 12 components.

0 = Other.

Answer Cues: Construction components of a complete line graph

Components of the y-axis

1. Descriptive label that includes the variable or quantity that changes
2. Units appropriately represent data (may be part of the y-axis descriptive label)
3. Scale is appropriate for data
4. Scale or number interval on the grid is consistent (may include a break ⁄\/)
5. Spacing of scale is consistent along grid

Components of the x-axis

6. Descriptive label that includes the variable or quantity that changes
7. Units appropriately represent data (may be part of the x-axis descriptive label)
8. Scale is appropriate for data
9. Scale or number interval on the grid is consistent
10. Spacing of scale is consistent along grid

Other graph components

11. Main title for graph
12. Origin is indicated by either a zero or an empty space for the zero

GUIDELINES FOR CREATING DATA DISPLAYS
Bar Graph Scoring Template
(Adapted from the 3 point rubric for MSPAP on the MSDE Website)
mdk12.org/practices/support_success/mspap/mathematics/linegraph/template.html

Responses to this activity demonstrate the ability to organize and display data in a bar graph.

4 = Data are plotted accurately and completely and graph includes 7 of the 9 components.

3 = Data are plotted accurately and completely and graph includes 5 of the 9 components.
<div align="center">OR</div>
3 = Data are generally plotted accurately (baseline of 66%-80%) and graph includes 7 of the 9 components.

2 = Data are plotted accurately and completely and graph includes 3 of the 9 components.
<div align="center">OR</div>
2 = Data are generally plotted accurately (baseline of 66%-80%) and graph includes 5 of the 9 components.

1 = Data are plotted somewhat accurately (baseline less than 66%) and graph includes 4 of the 9 components.

0 = Other.

Answer Cues: Construction components of a complete bar graph

Components of the y-axis

1. Descriptive label that includes the variable or quantity that changes
2. Units appropriately represent data (may be part of the y-axis descriptive label)
3. Scale is appropriate for the data
4. Scale or number interval on the grid is consistent (may include a break   )
5. Spacing of scale is consistent along grid lines

Components of the x-axis

6. Descriptive label that includes the variable or quantity that changes
7. Units appropriately represent data (may be part of the x-axis descriptive label)

Other graph components

8. Main title for graph
9. Origin is indicated by either a zero or an empty space for the zero