

SPARK Hybrid Education Center

Mathematics | Lower Level

Data: Graphs & Displays

Name: _____

Date: _____ Score: _____

UNIT TOPICS

- * Bar graphs, line graphs, histograms, pictographs
- * Choosing the right graph for the data
- * Reading and interpreting graphs

PRACTICE PROBLEMS - Show all work

1. Name the best graph type for showing change over time: ____
2. Name the best graph type for comparing categories: ____
3. A histogram shows frequency in ____ (intervals/categories).
4. A line graph is best used when data is ____ (continuous/categorical).
5. A bar graph shows 3 bars: 15, 25, 10. What is the total count? ____
6. In a pictograph, each star = 5 students. 4 stars = ____ students.
7. What does the x-axis typically represent in a line graph? ____
8. A student's test scores over 5 weeks: 70, 75, 80, 78, 85. Describe the trend: ____
9. True or False: A bar graph can have gaps between bars. ____
10. Draw a simple bar graph for: Math=90, Science=75, ELA=85.

Answers (accept equivalent responses and correct reasoning):

1. [Grade based on correct application of concept taught this week]
2. [Grade based on correct application of concept taught this week]
3. [Grade based on correct application of concept taught this week]
4. [Grade based on correct application of concept taught this week]
5. [Grade based on correct application of concept taught this week]
6. [Grade based on correct application of concept taught this week]
7. [Grade based on correct application of concept taught this week]
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9. [Grade based on correct application of concept taught this week]
10. [Grade based on correct application of concept taught this week]