BitWith Bite

MATHEMATICS WORKSHEET

Mathematical Visualization

Chapter: Computational Mathematics · Level ★★★ · Time: 30 min

SCORE ___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

✓ Choose the right plot for the data. ✓ Use line plots for trends over time. ✓ Use histograms for distributions. ✓ Use scatter plots for relationships.

Section A · Concept Check • BEGINNER 4 × 1 = 4

1 Best plot for a stock price over a year:

◯ A. line plot ◯ B. bar chart ◯ C. histogram ◯ D. pie chart

2 Best plot to compare populations of 6 countries:

◯ A. bar chart ◯ B. line plot ◯ C. scatter plot ◯ D. histogram

3 Best plot for the distribution of test scores:

◯ A. histogram ◯ B. line plot ◯ C. bar chart ◯ D. pie chart

4 Best plot to check if height and weight are related:

◯ A. scatter plot ◯ B. bar chart ◯ C. histogram ◯ D. line plot

Section B · Problem Solving • INTERMEDIATE 2 + 3×3 = 11

5 A trend over time suits a _____ plot.

6 Comparing 6 countries suits a _____ chart.

7 What plot type is best for tracking a stock's price over a year?

_____

8 What plot type is best for comparing the population of 6 countries?

_____

9 What plot type is best for the distribution of test scores?

_____

Section C · Challenge • CHALLENGE 5

10 What plot type is best for checking if height and weight are related?

_____

Reflection — the most useful thing I learned: _____

A ___/4 B ___/11 C ___/5 Total ___/20

Teacher's Signature

Parent's Signature

✂ ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-A 2-A 3-A 4-A | 5 line 6 bar 7 = A line plot 8 = A bar chart 9 = A histogram | 10 = A scatter plot