# Making Box Plots and Histograms

FLORIDA GRADE 6 MATH | B.E.S.T. BENCHMARK MA.6.DP.1.5 | STUDENT WORKSHEET

**Name:** _____ **Date:** _____

**Directions:** Solve each problem. Show your work in the space provided.

**1.** Find the five-number summary of 2, 4, 4, 5, 7, 9, 10, 15.

**2.** What is the interquartile range of the data in problem 1?

**3.** Data: 31, 45, 38, 52, 47, 36, 59, 41. How many values fall in the bin 40–49?

**4.** Should the bars of a histogram have gaps between them?

**5.** Name three labels a histogram of test scores needs.

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## Answer Key

**1. 2, 4, 6, 9.5, 15**

Median (5 + 7) ÷ 2 = 6; Q1 (4 + 4) ÷ 2 = 4; Q3 (9 + 10) ÷ 2 = 9.5

**2. 5.5**

9.5 − 4 = 5.5

**3. 3**

45, 47, and 41

**4. No**

The bars touch, because the intervals are next to each other.

**5. A title, an axis label for the score intervals, and an axis label for the number of students**

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