Lesson 2.2 Practice: Quartiles, the Five-Number Summary and IQR

School Launch · Statistics · Unit 2: Describing Data with Numbers · Worksheet A

Calculator / tables

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Give the five-number summary of: 14, 18, 23, 24, 26, 31, 57, 60, 68. EASY

2. Give the five-number summary of: 16, 21, 28, 36, 39, 53, 55, 60, 67, 73, 80. EASY

3. Give the five-number summary of: 16, 20, 20, 24, 33, 42, 45, 50, 70, 75. EASY

4. Give the five-number summary of: 45, 46, 46, 49, 58, 60, 61, 76, 78. MEDIUM

5. Give the five-number summary of: 10, 10, 29, 40, 44, 53, 63, 67, 75, 78. MEDIUM

6. Give the five-number summary of: 15, 31, 48, 53, 66, 66, 70, 72, 74. MEDIUM

7. Give the five-number summary of: 18, 22, 27, 40, 51, 51, 53, 70, 71, 76, 77. MEDIUM

8. Give the five-number summary of: 17, 17, 20, 21, 21, 33, 36, 60, 63, 72, 73, 78. HARD

9. Give the five-number summary of: 24, 25, 42, 47, 49, 49, 52, 62, 64, 79. HARD

10. Give the five-number summary of: 10, 13, 16, 19, 36, 38, 39, 49, 57, 58, 66. HARD