Lesson 2.5 Practice: Comparing Distributions

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. Class A scores: 18, 14, 11, 30, 28, 11. Class B: 16, 20, 18, 22, 17, 19. Find each mean (nearest tenth) and each range; which class has the higher center and which is more spread out (by range)? EASY

2. Class A scores: 35, 18, 38, 20, 40, 37. Class B: 16, 44, 36, 30, 38, 30. Find each mean (nearest tenth) and each range; which class has the higher center and which is more spread out (by range)? EASY

3. Class A scores: 38, 10, 35, 11, 14, 28. Class B: 22, 41, 40, 24, 21, 25. Find each mean (nearest tenth) and each range; which class has the higher center and which is more spread out (by range)? EASY

4. Class A scores: 14, 25, 34, 12, 18, 11. Class B: 36, 16, 24, 23, 18, 19. Find each mean (nearest tenth) and each range; which class has the higher center and which is more spread out (by range)? MEDIUM

5. Class A scores: 18, 12, 21, 10, 39, 22. Class B: 28, 29, 33, 15, 22, 21. Find each mean (nearest tenth) and each range; which class has the higher center and which is more spread out (by range)? MEDIUM

6. Class A scores: 28, 25, 25, 33, 10, 12. Class B: 15, 40, 23, 37, 40, 20. Find each mean (nearest tenth) and each range; which class has the higher center and which is more spread out (by range)? MEDIUM

7. Class A scores: 29, 36, 11, 31, 16, 24. Class B: 40, 33, 37, 26, 24, 26. Find each mean (nearest tenth) and each range; which class has the higher center and which is more spread out (by range)? MEDIUM

8. Class A scores: 39, 11, 15, 26, 26, 22. Class B: 26, 28, 21, 36, 38, 29. Find each mean (nearest tenth) and each range; which class has the higher center and which is more spread out (by range)? HARD

9. Class A scores: 10, 19, 36, 14, 30, 23. Class B: 44, 28, 32, 17, 37, 45. Find each mean (nearest tenth) and each range; which class has the higher center and which is more spread out (by range)? HARD

10. Class A scores: 18, 33, 17, 13, 13, 26. Class B: 20, 36, 24, 39, 44, 29. Find each mean (nearest tenth) and each range; which class has the higher center and which is more spread out (by range)? HARD