Lesson 12.3 Practice: Paired Data

School Launch · Statistics · Unit 12: Comparing Two Groups · 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. A matched-pairs study measures each subject before and after: (85, 70), (76, 76), (64, 65), (68, 93). Find the differences (after − before) and their mean. EASY

2. A matched-pairs study measures each subject before and after: (89, 95), (62, 78), (87, 82), (82, 70). Find the differences (after − before) and their mean. EASY

3. A matched-pairs study measures each subject before and after: (70, 95), (63, 81), (63, 72), (73, 95). Find the differences (after − before) and their mean. EASY

4. A matched-pairs study measures each subject before and after: (71, 89), (65, 90), (86, 79), (90, 83), (71, 61). Find the differences (after − before) and their mean.
MEDIUM

5. A matched-pairs study measures each subject before and after: (64, 61), (60, 93), (80, 95), (79, 83), (73, 90). Find the differences (after − before) and their mean.
MEDIUM

6. A matched-pairs study measures each subject before and after: (90, 73), (86, 65), (67, 69), (74, 91), (86, 76). Find the differences (after − before) and their mean.
MEDIUM

7. A matched-pairs study measures each subject before and after: (60, 88), (87, 80), (68, 76), (90, 87), (90, 78). Find the differences (after − before) and their mean.
MEDIUM

8. A matched-pairs study measures each subject before and after: (64, 79), (64, 72), (80, 93), (84, 68), (73, 77), (67, 80). Find the differences (after − before) and their mean. HARD

9. A matched-pairs study measures each subject before and after: (87, 85), (67, 91), (83, 87), (63, 93), (75, 63), (61, 62). Find the differences (after − before) and their mean. HARD

10. A matched-pairs study measures each subject before and after: (65, 91), (68, 77), (75, 64), (82, 94), (68, 81), (67, 92). Find the differences (after − before) and their mean. HARD