

Fall 2013 Section 4 COP 3223 Program #3 Grading Criteria

Part A: Max Pez (30 pts)

Coding Style Points (5 pts)

Written in a separate file - 1 pt

Uses main function - 1 pt

Header comment - 1 pt

Internal comments - 1 pt

Good variable names - 1 pt

Code Points (10 pts)

Reads in integer inputs at appropriate times (4 pts)

Has loop (3 pts)

Prints Output (3 pts)

Test Cases (15 pts)

Three test cases, 5 pts each

1) 1, (5, 5) (Answer = 25)

2) 3, (2, 7), (10, 3), (12, 6) (Answer = 116)

3) 6 (8, 1), (1, 5), (16, 17), (100, 100), (18, 5), (3, 4) (Answer = 10297)

Part B: Multiplying Pez(35 pts)

Coding Style Points (5 pts)

Written in a separate file - 1 pt

Uses main function - 1 pt

Header comment - 1 pt

Internal comments - 1 pt

Good variable names - 1 pt

Code Points (10 pts)

Reads in all input (5 pts)

Has loop (3 pts)

Has print in loop (2 pts)

Test Cases (20 pts)

4 cases, 5 pts each – generate the charts with the solution...

1) 20, 3, 10, 5, 3 (chart in sample)

2) 10, 5, 8, 20, 10

3) 20, 2, 18, 20, 15

4) 1000, 1, 2, 502, 10

Part C: Old Pez (35 pts)

Coding Style Points (6 pts)

Written in a separate file - 1 pt

Uses main function - 1 pt

Header comment - 1 pt

Internal comments - 1 pt

Declare constant for max age- 1 pt

Good variable names - 1 pt

Code Points (14 pts)

Reads input (4 pts)

Has a double loop structure (or triple) (4 pts)

Checks for sum somehow (2 pts)

Checks for product somehow (2 pts)

Has print in loop (2 pts)

Test Cases (15 pts)

5 pts each

1) 13, 72 (6 answers, perms of 3, 4, 6)

2) 47, 2800 (9 solutions, two diff combos, 7, 20, 20 and 8, 14, 25)

3) 255, 614040 (6 answers, perms of 84, 85, 86)