# Computer Science Applications

## Project 1.1.6 Numbers Riddle

This scoring guideline describes the programming concepts required in your program. You must provide a screen shot of your code and a screenshot of your output.

Your Program Must:

Display the original number, perform an operation, and display the results

• Supply the program with values for testing.

• Use camelCase

• Include both multiline and inline comments

• Include both a print method and println method

• Use at least 2 variables

• Have multiple arithmetic expressions

• Use a compound expression

• Use a compound assignment operator

• Convert between an int data type and a double data type

Penalty

• Extraneous code that causes side-effect (e.g., printing to output when not desired)

• Code that causes errors

• Missing or poor-quality screenshots

No Penalty

• Extraneous code with no side-effect

Scoring: Project 1.1.6 Numbers Riddle

Part A. Program Code 54 points

Intent: Display the original number, perform an operation, and display the results

+4 For each test value, display the original number.

+28 For each test value, perform an operation as denoted by the riddle.

+22 After each operation, display the results of the operation.

Part B. Test Values 6 points

Intent: Supply the program with values for testing.

+1 Positive integer

+1 Negative integer

+1 Zero

+1 One

+1 Positive double

+1 Negative double



