

Math Test Pseudocode: Program that simulates a simple math test and asks user questions relevant to division, logarithms, inequalities and rounding.

1. Measures the user's ability to divide.

- a) Generates a random number between (1,10), save as **randomResult**
- b) **If** the number generated is even, ask the user if it is divisible by 4 without a remainder

2. Checks the users understanding of greater than.

- a) Generate a random number from (1,100), save as **randomResult2**
- b) Ask the user if **randomResult2** is greater than 10

3. Checks whether user can identify the minimum number:

- a) Give the user a list of three numbers, save variable as **number1, number2 and number3**. These numbers are 7,56 and -20 [numbers are interchangeable]
- b) Ask the user to input the minimum of the three numbers 7,56 and -20, save as **userMinimum**
- c) **If minimum** is equal to **userMinimum**, then **print** correct

4. Measures the users rounding capabilities:

- a) Give the user a decimal number, the decimal number being 2.9, save 2.9 as **decimal**
- b) Ask the user to round the number, save number rounded by user as **userRound**
- c) **If userRound** is equal to 3.0 print correct
- d) **Else print** wrong answer

5. Checks the users understanding of logarithms.

- a) Ask the user to find the log of 10 and round it to the hundredth decimal place
- b) **If** answer is 1.00 **print** correct