

1. find_divisible_count outputs:

a) find_divisible_count([20, 21, 25, 28, 33, 34, 35, 36, 41, 42], 7) returns **4**

b) find_divisible_count([18, 54, 76, 81, 36, 48, 99], 9) returns **5**

2. find_smallest_gap outputs:

a) find_smallest_gap([50, 120, 250, 100, 20, 300, 200]) returns **20**

b) find_smallest_gap([12.4, 45.9, 8.1, 79.8, -13.64, 5.09]) when rounded to two decimal places returns **3.01**

3. multiply_n_dimension_matrices outputs: (spaces added for readability)

a) Given:

m1 = [[2, 7], [3, 5]]

m2 = [[8, -4], [6, 6]]

multiply_n_dimension_matrices(2, m1, m2) returns

**[[58, 34],
[54, 18]]**

b) Given:

m1 = [[1, 0, 2], [3, -2, 5], [6, 2, -3]]

m2 = [[0.3, 0.25, 0.1], [0.4, 0.8, 0], [-0.5, 0.75, 0.6]]

multiply_n_dimension_matrices(3, m1, m2) when rounded to two decimal places returns

**[[-0.7, 1.75, 1.3],
[-2.4, 2.9, 3.3],
[4.1, 0.85, -1.2]]**