function countMultiples(inputArray) {

  const result = {};

  // Loop through numbers 1 to 9

  for (let i = 1; i <= 9; i++) {

    result[i] = 0; // Initialize count for each number

    // Check each number in the input array

    for (let num of inputArray) {

      if (num % i === 0) {

        result[i]++;

      }

    }

  }

  return result;

}

// Example usage

const input = [1, 2, 8, 9, 12, 46, 76, 82, 15, 20, 30];

const output = countMultiples(input);

console.log(output);