**Multiples, Factors and Primes**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Divisibility Test (NO CALCULATORS ARE TO BE USED)

1. Which of the following are divisible by 3? (2 marks)

2202, 301, 60312, 1001011

1. Which of the following are divisible by 9? (2 marks)

3024, 70012, 903, 8019

1. Which of the following are divisible by 18? (2 marks)

3069, 7038, 648000, 295

1. Complete the following series: (6 marks)
2. 1, 4, 13, 40, \_\_\_, \_\_\_, \_\_\_.
3. \_\_\_, \_\_\_, 124, 248, \_\_\_.
4. Give values for the following INDEX and ROOT calculations: (6 marks)

42 = 27 = 54 =

1. List the Prime Numbers between 5 and 20. (5 marks)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Using a Factor Tree, list the factors of 63 as Prime Numbers. (3 marks)

**63**

1. Show the Prime Factors of 63 in INDEX Form. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2 marks)
2. In the following series, circle the Composite numbers: (3 marks)

3, 6, 8, 13, 20, 23, 29

1. List the first five multiples of 6 \_\_\_, \_\_\_, \_\_\_, \_\_\_, \_\_\_. (5 marks)
2. List the multiples of 3, which are greater than 20 but less than 35. (5 marks)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What do the letters L.C.M. and H.C.F. stand for? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2 marks)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the L.C.M. of 6 and 8? \_\_\_\_\_\_\_\_\_ (1 mark)
2. What is the L.C.M. of 2, 32 and 14? \_\_\_\_\_\_\_\_\_ (1 mark)
3. What is the H.C.F. of the following numbers?

12, 54, 72. \_\_\_\_\_\_\_\_\_\_ (1 mark)

1. Write the BASIC NUMERAL (or simple number value) FOR (2 marks)

5 × 102 + 3 × 2 + 2 × 10 =

Mark : \_\_\_\_/48 Percentage : \_\_\_\_/48 × 100