

MID TERM – 2011

STD. - IV

MATHEMATICS

MULTIPLES AND FACTORS

I. Fill in the blanks :

1. The _____ factor of a number is the number itself.
2. _____ is a factor of every number.
3. The smallest factor of a number is _____.
4. The greatest factor of 15 is _____.
5. All the factors of a number are _____ than or _____ to the number.
6. $12 \times 8 = 96$, 96 is the _____ of 12 and 8.
7. _____ is the only number which has only 1 factor.
8. When a number divides exactly then the divisor is called a _____ of the dividend.
9. When we divide a number by its factors, the remainder will be _____.
10. Every number (other than 1) has at least _____ factors.
11. $9 \times 7 = 63$, 9 and 7 are the factors of _____.
12. _____ is a factor of 1.
13. _____ are the numbers which when multiplied give the product.

14. The smallest natural number is _____.
15. The smallest whole number is _____.
16. The first odd number is _____.
17. The first even number is _____.
18. The sum of two odd numbers is an _____ number.
19. The sum of two even numbers is an _____ number.
20. A number divisible by only 1 and the number itself is called a _____ number.
21. A number divisible by numbers other than 1 and the number itself is called a _____ number.
22. A prime number has only two factors _____ and _____.
23. The smallest prime number is _____.
24. The smallest composite number is _____.
25. _____ is the only even prime number.
26. _____ is neither prime nor composite.
27. Every prime number except _____ is odd.
28. Every number is a multiple of _____ and _____.
29. Numbers which are not multiples of _____ are called odd numbers.
30. All even numbers are multiples of _____.
31. The smallest _____ of a number is the number itself.
32. All the multiples of a number are _____ than or _____ to the number.
33. 4, 8, 12, 16, and 20 are the first five _____ of 4.

34. Every multiple of 2, other than 2, is a _____ number.
35. _____ is an odd composite number having 1 – digit.
36. Every _____ number has only two factors.
37. The fifth multiple of 8 is _____.
38. 6 is a _____ of 24.
39. 50 is a _____ of 5.
40. The third multiple of 9 is _____.
41. Twin prime numbers are those pair of prime numbers which differ by _____.

II Do the following :

- 1. Find the factors of :**

a. 25 b. 31 c. 36 d. 48

- 2. Write the first six multiples of :**

a. 9 b. 7 c. 12 d. 15

- 3. Write down all prime numbers:**

a. between 10 and 26 b. between 20 and 50.

- 4. Write down all even composite numbers.**

a. between 11 and 30 b. between 31 and 50.

5. Write down all odd composite numbers :
 - a. between 15 and 29
 - b. between 30 and 45.
6. Write down the five pairs of twin prime numbers.
7. Write down all odd numbers between 12 and 40.
8. Write down all even numbers between 35 and 50.
9. Write the greatest prime number which is less than
 - a. 20
 - b. 38
 - c. 50
10. Write the least prime number which is just greater than
 - a. 6
 - b. 25
 - c. 39
11. Write the multiples of 7 which are greater than 15 and less than 45.
12. Write the multiples of 11 which are less than 50.
13. Use the division method to find the prime factors of the following :
 - a. 35
 - b. 48
 - c. 46
 - D. 24

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