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Class :-06(Maths)

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**10. Express each of the following numbers as the sum of three odd primes:**

(a) 21

(b) 31

(c) 53

(d) 61

**Solutions:**

(a)  $3 + 5 + 13 = 21$

(b)  $3 + 5 + 23 = 31$

(c)  $13 + 17 + 23 = 53$

(d)  $7 + 13 + 41 = 61$

**11. Write five pairs of prime numbers less than 20 whose sum is divisible by 5. (Hint:  $3 + 7 = 10$ )**

**Solutions:**

The five pairs of prime numbers less than 20 whose sum is divisible by 5 are

$2 + 3 = 5$

$2 + 13 = 15$

$3 + 17 = 20$

$7 + 13 = 20$

$19 + 11 = 30$

**12. Fill in the blanks:**

(a) A number which has only two factors is called a \_\_\_\_\_.

(b) A number which has more than two factors is called a \_\_\_\_\_.

(c) 1 is neither \_\_\_\_\_ nor \_\_\_\_\_.

(d) The smallest prime number is \_\_\_\_\_.

(e) The smallest composite number is \_\_\_\_\_.

(f) The smallest even number is \_\_\_\_\_.

**Solutions:**

(a) A number which has only two factors is called a prime number.

(b) A number which has more than two factors is called a composite number.

(c) 1 is neither prime number nor composite number.

(d) The smallest prime number is 2

(e) The smallest composite number is 4

(f) The smallest even number is 2.