EXTRA SUMS BASED ON FACTORS AND MULTIPLES

1. Find all the factors of the given numbers:
   (a) 12 (b) 16 (c) 18 (d) 22

2. Find the missing factors
   (a) 7 x __ = 35 (b) ___ x 9 = 63 (c) __ x 6 = 72
   (d) 11 x __ = 66 (e) 13 x __ = 104

3. Find the first six multiples of the number:
   (a)3 (b)7 (c)8 (d)11

4. Find all the multiples of:
   (a) 13 upto 99 (b) 15 upto 120 (c) 18 upto 108

5. Is 20 a perfect number? Explain.

6. Is 28 a perfect number? Explain.

7. Classify the numbers as even or odd:
   (a) 487 (b) 701 (c) 912 (d) 378 (e) 1146

8. Which is the smallest number that must be added to an odd number to make it even?

9. List out all the prime numbers below 100, that end with 3?

10. How many pairs of prime numbers are there which can be used to express 20 as the sum of two prime numbers?

11. Express each of the following as the sum of two odd prime numbers:
    (a) 24 (b) 30 (c) 46 (d) 56

12. Express as the sum of twin primes:
    (a) 8 (b) 24 (c) 60 (d) 204

13. List all the prime numbers between
    (a) 3 and 30 (b) 17 and 53

14. 17 and 71 are two prime numbers having the same digits. Find other three pairs of two digit prime numbers that have the same digits?

15. I am a factor of 20 and 16. I am not a prime number. What number am I?

Things to Remember

* 1 is neither prime nor composite
* 1 is the only number that has only one factor that is itself. Hence 1 is neither prime nor composite
* 2 is the only even prime number
* 2 is the smallest prime number
* 4 is the smallest composite number
* There is no number which has no factor
* 9 is the smallest odd composite number
* 1 is the first odd number
* 2 is the first even number