

Topic: Playing with numbers

Name:

Instructions:

- 1) Make a separate copy for mathematics.
- 2) Copy all the questions and solve it.

- 1) Fill in the blanks:
 - a) _____ is neither a prime nor a composite.
 - b) A number for which sum of all its factors is equal to twice the number is called_____.
 - c) The greatest prime number between 10 and 15 is _____.
 - d) The smallest multiple of 123 is _____.
 - e) Two prime numbers, whose difference is 2 are called _____.
 - f) The smallest 3 digit prime number is _____.
 - g) The LCM of two prime numbers is _____.
 - h) _____ and _____ are the factors of every number.
 - i) HCF of any two consecutive numbers is _____.
- 2) Solve the following:
 - a) I am the smallest number having 3 different odd prime factors. Can you find me?
 - b) Express the smallest 3 digit number in the form of prime factors.
 - c) Write all prime numbers between 10 and 30.
 - d) Using divisibility test check whether the following are divisible by 2,3,4,5,6,7,8,9,10 and 11.
 - i) 1586
 - ii) 990
 - iii) 275
 - iv) 6686
 - v) 639210
 - e) Find the smallest number when divided by 24 and 81 leaves a remainder 5 in each case.
 - f) Find the greatest 3 digit number which is exactly divisible by 6, 10, and 12.
 - g) Two tankers contains 850 litres and 680 litres of petrol respectively. Find the maximum capacity of the container which can measure the petrol of either tanker in exact number of times.
 - h) In a morning walk, three persons step off together. Their steps measure 80cm, 85cm, and 90cm respectively. What is the minimum distance each should walk so that all can cover the distance in complete steps?