

1. Write all the factors of the following numbers:

(a) 39 (b) 48 (c) 54

2. Write all the common factors of the following numbers:

(a) 16 and 64 (b) 12 and 18

3. Write all the prime factors of the following numbers:

(a) 112 (b) 84

1. Find the first five multiples of 6.

2. Find the first three common multiples of 2 and 3.

3. Find the LCM (Least Common Multiple) of 3 and 8 by finding their common multiple.

4. Find the LCM of 6 and 9 by finding their common multiple.

5. Find the LCM of 5 and 6 by finding their common multiple.

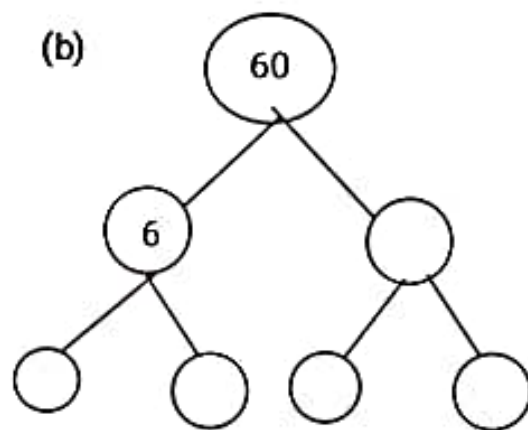
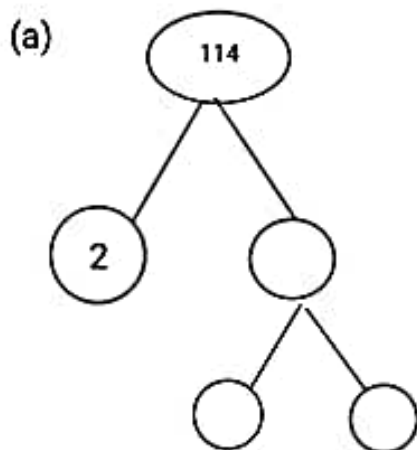
SATISH CHANDRA MEMORIAL SCHOOL

WORKSHEET

1. Find the prime factorization of the following numbers using factor tree.

(a) 90 (b) 46

2. Complete the factor tree:



3. List the prime numbers between 50 and 100

4. What are the common multiples of 6 and 8 that are less than 100 ?

5. Which of the following are co-prime ?

(a) 16 and 21 (b) 24 and 39

Q. Find the HCF of the following numbers by prime factorisation method:-

(a) 32 , 42 (b) 28 , 78 (c) 13 , 29 , 67

(d) 38 , 57 , 95 (e) 36 , 45 , 72

Q) Find the H.C.F of the following by Division method:-

a) 198 and 360

b) 30 and 42

c) 245 and 392

d) 364, 741 and 1092

e) 17, 23 and 29

CLASSWORK.

1) Factorise by factor tree method:—

(a) 36 (b) 120 (c) 142 ~~(d) 98~~

2) Factorise by prime factorisation method:—

(a) 15 (b) 38 (c) 45 ~~(d) 98~~

CO-PRIME NUMBERS

➤ WHAT ARE CO-PRIME NUMBER ?

Two numbers that have only 1 as the common factor are known as co-prime number. All the prime are co-prime numbers

Example

- ✓ $35 = 7 \times 5 \times 1$
 - ✓ $39 = 3 \times 13 \times 1$
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SATISH CHANDRA MEMORIAL SCHOOL

WORKSHEET

1. Three bells ring at 2 second, 3 second and 5 seconds intervals. After how many minutes will they all ring at the same time?
2. Find the greatest number that will divide 37, 50, 123 leaving remainder 1, 2 and 3 respectively.
3. The HCF of two numbers is 28 and their LCM is 336. If one number is 112, find the other number.

1. Find the lowest number which is exactly divisible by 18 and 24.
2. The traffic lights at three different road crossings change after every 48 sec, 72 sec and 108 sec respectively. If they all change simultaneously at 8:20:00 hours, when will they again change simultaneously?
3. The high school marching band rehearses with either 6 or 10 members in every line. What is the least number of people that can be in the marching band?