

1. Observe the numbers 57, 93 and 144.
 - a) Express 144 in terms of prime factor.
 - b) Find out the LCM of 57, 93 and 144.
 - c) What is the maximum number that divide 57, 93 and 144 without any remainder?
2. The length of an iron-sheet and a copper sheet is 672 cm and 960 cm respectively
 - a) Factorize 960 into prime factors.
 - b) What will be the length of the highest piece of equal size cut from the two sheets?
 - c) Determine the number of pieces of sheets.
3. There are three baskets of 159 mangoes, 227 black barriers and 401 litchis.
 - a) Determine the factors of 159 and then separate the prime factors.
 - b) If 9 mangoes, 7 black barriers and 1 litchi get rotten, find out the LCM of the remaining fruits by Euclid's method.
 - c) What is the highest number of boys among whom the fruits can be equally distributed with 3 mangoes, 6 black barriers and 11 litchis left?
4. Observe the numbers 25,50,75 and 125.
 - a. Find out the L.C.M of 25,50,75 and 125
 - b.What is the greatest number of six digits that is divisible by the above LCM?
 - c. What is the least number of six digits that is divisible by the above LCM?