

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date:

Name:

ID No.....

Assignment

1. Express 3825 as product of its prime factors using factor tree.

Sol.

2. Can the number $6n$, n being a natural number, end with the digit 5? Give reasons.

Sol.

3. Find the LCM and HCF of 336 and 54 and verify that $\text{LCM} \times \text{HCF} = \text{product of the two numbers}$.

Sol.

4. Using prime factorisation method, find the HCF and LCM of 6, 72 and 120. Also show that $\text{HCF} \times \text{LCM} \neq \text{Product of the three numbers}$.

Sol.

5. Find the HCF of 306 and 657 by the prime factorisation method. Hence find their LCM.

Sol.

6. There is a circular path around a sports field. Sonia takes 18 minutes to drive one round of the field, while Ravi takes 12 minutes for the same. Suppose they both start from the same point and at the same time, and go in the same direction. After how many minutes will they meet again at the starting point?

Sol.
