Factors and Multiples : CPP 2

1. Determine the LCM of:

   (i) 28, 36, 45, 60   (ii) 18, 17   (iii) 861, 1353

2. What is the smallest number which when divided by 24, 36 and 54 gives a remainder of 5 each time?

3. Determine the number which is nearest to 100000 but greater than 100000 which is exactly divisible by each of 8, 15 and 21.

4. Find the greatest number of 6 digits exactly divisible by 24, 15 and 36.

5. Find the HCF and LCM of the following pairs of number.

   (i) 117, 221   (ii) 234, 572   (iii) 145, 232

6. The HCF of two numbers is 16 and their product is 3072. Find their LCM.

7. The HCF of two numbers is 145, their LCM is 2175. If one number is 725, find the other.

8. Can two numbers have 16 as their HCF and 380 as their LCM? Give reason.

9. The LCM and HCF of two numbers are 180 and 6 respectively. If one of the numbers is 30, find the other number.

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