**HCF AND LCM Worksheet 1                                     Date :**

1. Find the highest common factor and least common multiple of the following pairs of numbers:

(i) 576 and 1440

(ii) 625 and 325

(iii) 496 and 1116

(iv) 1000 and 1125

(v) 676 and 650

1. The product of two numbers is 120. If their H.C.F. is 6 what is their L.C.M.
2. The HCF of two numbers is 6, if one of the numbers is 42, find the other number?
3. The H.C.F of two consecutive numbers is:

a. 8

b. 2

c. 1

d. None of these

1. What is the LCM (least common multiple) of the following numbers? 85, 280, 65, 84

a. 185643

b. 185640

c. 185637

d. 185642

1. Fill in the blanks

Find the LCM (least common multiple) of the following numbers

A) 35, 75, 65 =

B) 24, 320, 152, 16 =

1. Using prime factorization method find the highest common factor (H.C.F) of the following numbers:

(i) 156 and 228

(ii) 49 and 343

1. Using division method find the highest common factor (H.C.F) of the following numbers:

(i) 36, 28 and 48

(ii) 56, 64 and 72

1. Using prime factorization method find the lowest common multiple (L.C.M) of the number

74, 168, 192

1. If the H.C.F of two numbers is 55 and the product of two numbers is 1375. Then find the L. C. M of the two numbers.