



) Factors & Multiples:

y a number dévides anothe number a is a factor of b.

H.C.F > two or man numbers

greatest number divides each of them

1) Factoristion - each one of gues number 2) Division as product of Punic Jactor

H.C.F of 2 numbers.

Di vide Largu no , e divide the division smaller one. by remainder repeat the procuse tell zero.

H.C.F of 2 or more numbers.

H.C.F of 2 num & 3rd num -> 3 value

2) Product of 2 numbers = Product of HCF LLCU

3) Co-Primes - if their HCF is 1 then it is co-prime

i) H.C.F = H.C.F of Numerator

L. C. H of Denominator





= 2x2x3x3 = 36.

H. C'F of 11342-1215 1381.

H. C. F of 513 & 81 81 513 486 3

3 3 . 0





5) 22×33×5×72×8, 23×32×52×74, 2×3×5×7×1)

L.C.M => Product of Power highest power

6) L.C.M of 72, 108 2 2100.

= 37800

7) = 1, 8, 16 , 10 = 1.

H.C.F = H.C.F & 2,8,16,10 = 2/8) L.C.H & 3,9,81,27

L.C.H of 2,8,16,10

H.C.F of 3,9,81,27

8) H.C.F.L.C.M of 0.63, 1.05 2 2.1.

63, 105,210.

H.CF of 63,105,210 = 21. => 0.2). L.C. H of 63,105,210 = 630.

9) 2 numbers are in ratio 15:11 if H.C.F is 13,

Reg number be 15× 2112.

Then their was it is

10) H.C.F of 2 number is 11 & L.C.H is 698

if one number 77 find other

other no =
$$\frac{11\times 693}{77} = 99$$
.

11) Find the least number divisible by 6, 7.8, 9 & 22 . leaves the remainder 1 in each case.

Regino: Licim of (6,7,8,9,12)+1.

3x2x2 x7x2 x3 = 504.

requied number = 504+1 = 505.

12) Find least number exactly divisible by
12, 15, 18,20 2 27

3 12, 15, 20, 27 4, 5, 20, 9 5, 5, 9 5, 1, 1, 1, 9

3×4×5×9=540





Find largest no of 4 digits exactly divisible by

L.C.M = 540 as cabulated.

Largest 4 digit 9999

=> 9999 : Remainder 279

9999-279 = [9720]

Redning Louges Pory

2

3/678,9

8 cg. +0 1. 6. M of (6 7 e, 9, 10) 41

leaves, the supremitted to the Cook Proce-

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P/1 .1627