

HCF and LCMEx-8 (A)

1) Write all the factors of:

- i) 15 = 1, 3, 5, 15  
 ii) 55 = 1, 5, 11, 55  
 iii) 48 = 1, 2, 3, 4, 6, 8, 12, 16, 48  
 iv) 36 = 1, 2, 3, 4, 6, 9, 12, 18, 36  
 v) 84 = 1, 2, 3, 4, 6, 7, 12, 14, 21, 42, 84

2) Write all prime numbers:

- i) less than 25 = 2, 3, 5, 7, 11, 13, 17, 19, 23  
 ii) between 15 and 35 = 17, 19, 23, 29, 31  
 iii) between 8 and 76 = 11, 13, 17, 19, 23, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73

3) Write the prime factors of

- i) 16 = 2  
 ii) 27 = 3  
 iii) 35 = 5, 7  
 iv) 49 = 7

4) Write the prime numbers from:

- i) 6 to 46 = 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43  
 ii) 2 to 32 = 3, 5, 7, 11, 13, 17, 19, 23, 29, 31  
 iii) 8 to 48 = 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47  
 iv) 9 to 89 = 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59

5) If  $P_n$  means prime factors of  $n$ , find :

i)  $P_6 = 2, 3$

ii)  $P_{24} = 2, 3$

iii)  $P_{50} = 2, 5$

iv)  $P_{92} = 2, 3, 5$

Ex 8 (B)

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