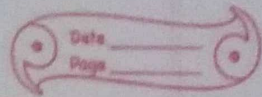


H.W
21/6/21

Ch-8

H.C.F AND L.C.M



Ex- 8(A)

1. Write all the factors of

(i) $15 = 1, 3, 5, 15$

(ii) $55 = 1, 5, 11, 55$

(iii) $48 = 1, 2, 3, 4, 6, 8, 12, 16, 24, 48$

(iv) $36 = 1, 2, 3, 4, 6, 9, 12, 18, 36$

(v) $84 = 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84$

2. Write all prime numbers:

(i) less than 25 = 2, 3, 19, 17, 13, 11, 7, 5, 3, 2

(ii) between 15 and 36 = 17, 19, 23, 29, 31

(iii) between 8 and 76 = 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73

3. Write the prime numbers from:

(i) 5 to 45 = 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43

(ii) 2 to 32 = 2, 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 59 = 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59

4. Write the prime factors of

(i) $16 = 1, 2, 4, 8, 16$

Prime factor = 2

(ii) $27 = 1, 3, 9, 27$

Prime factor = 3

(iii) $35 = 1, 5, 7, 35$

Prime factors = 5 and 7

(iv) $49 = 1, 7, 49$

Prime factors = 7

5. If P_n means factors of n , find:

(i) $P_6 = 1, 2, 3, 6$

(ii) $P_{24} = 1, 2, 3, 4, 6, 8, 12, 24$

(iii) $P_{50} = 1, 2, 5, 10, 25, 50$

(iv) $P_{42} = 1, 2, 3, 6, 7, 14, 21, 42$

How