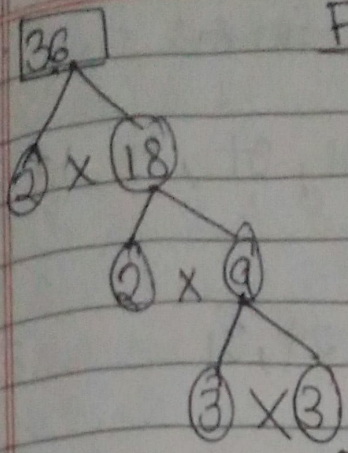
GW 21/6/24

Ch-8 - HCF & LCM

Fator Tree



Repeated Division

2	36
2	18
3	9
	3

Ex-8(A)

Evaluation Question

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 and 84

2) Write all prime numbers:

i) less than 25

ans) 2, 3, 5, 7, 11, 13, 17, 19, 23

ii) between 15 and 35

ans) 17, 19, 23, 29, 31

iii) between 8 and 76

ans) 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

ans) 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43

ii) 2 to 32

ans) 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31

iii) 8 to 48

ans) 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47

iv) 9 to 59

ans) 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59

4) Write the prime factors of:

i) 16 =

ans)
2 | 16
2 | 8
2 | 4
2 | 2
1

ans) 2

ii) 27

ans)
3 | 27
3 | 9
3 | 3
1

ans) 3

iii) 35

ans)
5 | 35
7

ans) 5, 7

iv) 49

ans)
7 | 49
7

ans) 7

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

i) P_6 ii) P_{24} iii) P_{50} iv) P_{42}

ans) i) Prime factors of 6 are 2 and 3.

ii) Prime factors of 24 are 2 and 3.

iii) Prime factors of 50 are 2 and 5.

iv) Prime factors of 42 are 2, 3 and 7.