EX:-8(A)

1. i) The factors of 15 are 1, 3, 5 and 15

∴ F(15) = ~~1, 3 and~~ 1, 3, 5 and 15

ii) The factors of 55 are 1, 5, 11 and 55

∴ F(55) = 1, 5, 11 and 55

iii) The factors of 48 are 1, 2, 3, 4, 6, 8, 12, 16, 24 and 48.

∴ F(48) = 1, 2, 3, 4, 6, 8, 12, 16, 24 and 48.

iv) The factors of 36 are 1, 2, 3, 4, 6, 9, 12, 18 and 36

∴ F(36) = 1, 2, 3, 4, 6, 9, 12, 18 and 36.

v) The factors of 84 are 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42 and 84

∴ F(84) = 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42 and 84

2. i) 2, 3, 5, 7, 11, 13, 17, 19 and 23 are the prime number less than 25.

ii) 17, 19, 23, 29 and 31 are the prime numbers between 15 and 35.

iii) 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71 and 73 are the prime numbers between 8 and 76.

3. i) The numbers from 5 to 45 are 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41 and 43

ii) The Prime numbers from 2 to 32 are 2, 3, 5, 7, 11, 13, 17, 19, 23, 29 and 31

iii) The Prime numbers from 8 to 48 are 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, and 47.

iv) The Prime numbers from 9 to 59 are 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53 and 59

4. i) Prime factors of 16 is 2

ii) Prime factors of 27 is 3

5. 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

$16 = 2 \times 2 \times 2 \times 2$

$35 = 5, 7$

Factors of 16 = [1], 2, 16

Factors of 35 = [1], 5, 7, 35

HCF = 1

Highest common factor

H. C. F.

0.4.W
21/6/21

EX:- 8(A)

4. (iii) 35

A→ The Prime factors of 35 ~~are it~~ are 5 and 7.

iv) 49

A→ The Prime factors of 49 is 7.

5. iv) P42

A→ The Prime factors of 42 are :-
~~2, 3 and~~ 2, 3, 6 and 7.