

H.W.
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Exercise - 8 (A)

Saathi

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

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

iii) The factors of 48 are = 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, 36

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

2. i) Prime number less than 25 = 2, 3, 5, 7, 11,
13, 17, 19, 23

ii) Prime number between 15 and 35 =
17, 19, 23, 29, 31

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

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

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43.

ii) The prime numbers from 2 to 32 =

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

iii) The prime numbers from 8 to 48 =

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

iv) The prime numbers from 9 to 59 =

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

53, 59

4. i) The prime factor of 16 = 2

ii) The prime factor of 27 = 3

iii) The prime factor of 35 = 5 and 7

iv) The prime factor of 49 = 7

5. i) P.F₆ = 2 and 3

ii) P.F₂₄ = 2 and 3

iii) P.F₅₀ = 2 and 5

iv) P.F₄₂ = 2, 3 and 7