

Exe - 5C(1)

1. Find the HCF of 27 and 36.

A → Factors of 27 = ①, ③, 9

Factors of 36 = 1, 2, ③, 4, 6, ⑨, 12, 18, 36

∴ The common factors = 1, 3, 9

∴ The HCF is 9

2. Find the HCF of 82, 104

A → 82 = ①, 2, 41

104 = ①, 2, 4, 13, 8, 13

The common factors = 1, 2

∴ The HCF is 2

3. Find the HCF of 20, 35, 40

A → 20 = ①, 2, 4, 5, ⑩

35 = ①, 5, ⑦, ⑩

40 = ①, 2, 4, 10, ⑤, 8

The common factors = 1, 5

∴ The HCF is 5

Ex-8(B)

4. Find the common factors of 45, 60, 75. Find the HCF of 45, 60, 75

A)  $45 = 1, 45, 3, 15, 5, 9$

$60 = 1, 60, 2, 30, 3, 20, 4, 15, 5, 12, 6, 10$

$75 = 1, 75, 3, 25, 5, 15$

~~So, the common factors~~ So, the common factors of 45, 60, 75 are

1, 3, 5, 15

∴ the HCF is 15

5. Find the common factors of 18, 28, 46, 58. Find the HCF of 18, 28, 46 and 58.

A)  $18 = 1, 18, 2, 9, 3, 6$

$28 = 1, 28, 2, 14, 4, 7$

$46 = 1, 46, 2, 23$

$58 = 1, 58, 2, 29$

So, the common factors are 1, 2

∴ the HCF is 2