# Co-Prime

## DEFINITION

Positive integers are co-prime when their HCF is 1.

## CHARACTERISTICS

- At least two numbers
- Neither of the numbers have to be prime
- All groups of prime numbers are co-prime
- If one of the numbers is prime, the others will be co-prime unless they are multiples of the prime

## EXAMPLES

8 and 15 are co-prime

1 and any other positive integer are co-prime

5 and 31 are co-prime

24 and 25 are co-prime

## NON-EXAMPLES

2 and 4 are not co-prime

9 and 15 are not co-prime

5 and 5 are not co-prime

5 and 25 are not co-prime

10 and 25 are not co-prime