### STUDY GOALS

On completion of this unit, you will have learned...

what is meant by a prime number.

that there are infinitely many prime numbers.

that any natural number can be expressed uniquely as the product of prime numbers.

what it means when two numbers are coprime.

what is meant by a prime test.

how the sieve of Eratosthenes works. – what a Carmichael number is.

how the Fermat primality test works.