# Answers: Algorithms and Complexity

## Check Prime – Calculate the Complexity (Worst Case)

Answer: linear

## Check Prime – Calculate the Complexity (Best Case)

Answer: constant

## Fast Check Prime – Calculate the Complexity

Answer: sqrt(n)

## First N Primes – Calculate the Complexity

Answer: n\*sqrt(n)

## First N Primes – Calculate the Memory Consumption

Answer: linear

## Primes in Range – Calculate the Complexity

Answer: n\*sqrt(n)

## Compare Execution Speed

It depends on the computer.