. **Quantitative Reasoning**

This section of the GRE is purely based on mathematics with a score range of 130-170 , similar to that of Verbal Reasoning, with 47 minutes provided for solving 2 sections. The test is designed to check the ability of test takers' on the following area:

Arithmetic(30%)
Algebra(30%)
Geometry (15%)
Data Analysis(25%)

The GRE Math (or Quantitative) sections consist of Quantitative Comparison, Problem Solving, and Data Interpretation question types. You will have 35 minutes to work on each Quantitative Reasoning section. The 20 questions in each section will be an assortment of Quantitative Comparison, Problem Solving, and Data Interpretation items, and you'll have between 1.5 and 2 minutes to answer each question. However, the question types are not distributed equally. On your GRE, you will see all the Quantitative Comparison questions first, then Problem Solving questions. Near the end of the Problem Solving questions, you'll encounter the Data Interpretation questions, presented as a set.

a. QUANTITATIVE COMPARISON QUESTIONS

Quantitative Comparison questions ask you to compare 2 quantities—Quantity A and Quantity B—and to identify the relationship between them. You'll likely see about 7–8 of these in each quantitative section.

Quantitative Comparison Sample Question

$$w > x > 0 > y > z$$

Quantity A	Quantity B
$w + y$	$x + z$

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.
(D) The relationship cannot be determined from the information given.

b.**PROBLEM SOLVING QUESTIONS**

The most common Problem Solving questions are standard multiple-choice questions with 5 choices and one correct answer. Variants include questions that ask you to select 1 or more answer choices from a list (all-that-apply) and questions that ask you to enter your answer in a box (numeric entry).

Problem Solving Sample Question

In a bag of candy, 7 of the candies are cherry flavored, 8 are lemon, and 5 are grape. If a candy is chosen randomly from the bag, what is the probability that the candy is not lemon?

Type your numeric answer as a fraction in the boxes provided.

DATA INTERPRETATION QUESTIONS

There are also a handful of Problem Solving questions associated with a set of charts or graphs. These are Data Interpretation Questions. The questions—there will typically be three of them—work like other Problem Solving questions, but it's important to note that gleaning the information from the graphs is the key to answering these questions.