Mastering Quantitative Comparisons and Data Interpretation for the GRE: A Manhattan Prep Strategy Guide

The Graduate Record Examinations (GRE) is a standardized test that is required for admission to many graduate schools around the world. The GRE consists of three sections: Verbal Reasoning, Quantitative Reasoning, and Analytical Writing. The Quantitative Reasoning section of the GRE tests your ability to solve math problems. Two question types that you will encounter on the Quantitative Reasoning section of the GRE are Quantitative Comparisons and Data Interpretation.

In this article, we will provide you with a comprehensive guide to Quantitative Comparisons and Data Interpretation questions on the GRE. We will cover the different types of questions that you can expect to see, as well as the strategies that you can use to solve them.

Quantitative Comparison questions are designed to test your ability to compare two quantities. The two quantities will be presented in different formats, such as numbers, fractions, decimals, or percents. You will need to determine which quantity is greater, less than, or equal to the other.

GRE Quantitative Comparisons & Data Interpretation (Manhattan Prep GRE Strategy Guides) by Kayvan Shokrollahi

★★★★☆ 4 out of 5

Language	: English
File size	: 3204 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled

There are three types of Quantitative Comparison questions:

1. **Simple Comparisons:** These questions are straightforward comparisons of two quantities. For example, you might be asked to compare the value of 2/3 to 0.75.

2. **Medium Comparisons:** These questions are more difficult than simple comparisons. They may involve more complex numbers or units. For example, you might be asked to compare the volume of a cube with a side length of 5 cm to the volume of a sphere with a radius of 3 cm.

3. **Hard Comparisons:** These questions are the most difficult type of Quantitative Comparison question. They may involve multiple steps or complex concepts. For example, you might be asked to compare the speed of a car traveling at 60 mph to the speed of a train traveling at 90 km/h.

To solve Quantitative Comparison questions, you can use the following strategies:

1. **Estimate the values of the quantities.** This will help you to narrow down your choices.

2. **Convert the quantities to a common unit.** This will make it easier to compare them.

3. **Use a grid or table to organize the information.** This can help you to visualize the relationship between the quantities.

Data Interpretation questions are designed to test your ability to interpret data from tables, graphs, and charts. The data will be presented in a variety of formats, such as bar graphs, line graphs, pie charts, and scatterplots. You will need to be able to read the data and answer questions about it.

There are three types of Data Interpretation questions:

1. **Table Interpretation:** These questions ask you to interpret data from a table. For example, you might be asked to find the average value of a column or to compare the values in two different rows.

2. **Graph Interpretation:** These questions ask you to interpret data from a graph. For example, you might be asked to find the slope of a line or to identify the trend in a scatterplot.

3. **Chart Interpretation:** These questions ask you to interpret data from a chart. For example, you might be asked to find the percentage of respondents who answered a certain question or to compare the data in two different charts.

To solve Data Interpretation questions, you can use the following strategies:

1. **Read the data carefully.** Make sure that you understand what the data is showing.

2. **Identify the key variables.** These are the variables that are being compared or analyzed.

3. **Estimate the values.** This will help you to narrow down your choices.

4. **Use a grid or table to organize the information.** This can help you to visualize the relationship between the variables.

The best way to prepare for the GRE Quantitative Reasoning section is to practice. Here are a few practice questions to help you get started:

Quantitative Comparisons:

1. Which is greater, 2/3 or 0.75?

2. Which is greater, the volume of a cube with a side length of 5 cm or the volume of a sphere with a radius of 3 cm?

3. Which is greater, the speed of a car traveling at 60 mph or the speed of a train traveling at 90 km/h?

Data Interpretation:

1. The following table shows the number of students who scored in each range on a standardized test.

| Score Range | Number of Students | |---|---| | 0-10 | 10 | | 11-20 | 20 | | 21-30 | 30 | | 31-40 | 40 | | 41-50 | 50 |

a. What percentage of students scored in the range of 21-30? b. What is the average score of the students?

2. The following graph shows the relationship between the number of hours studied and the score on a standardized test.

[Image of a graph showing a positive correlation between the number of hours studied and the score on a standardized test]

a. What is the slope of the line? b. What is the trend in the graph?

3. The following chart shows the percentage of respondents who answered "yes" to a certain question.

[Image of a chart showing that 60% of respondents answered "yes" to a certain question]

a. What percentage of respondents answered "yes"? b. How many respondents answered "no"?

Quantitative Comparisons and Data Interpretation questions are an important part of the GRE Quantitative Reasoning section. By understanding the different types of questions and the strategies for solving them, you can improve your score on the GRE and increase your chances of getting into the graduate school of your choice.

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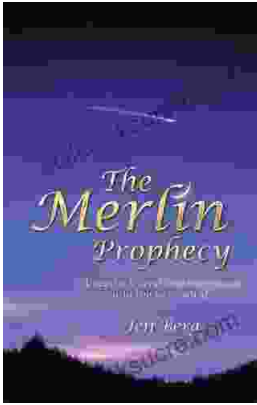
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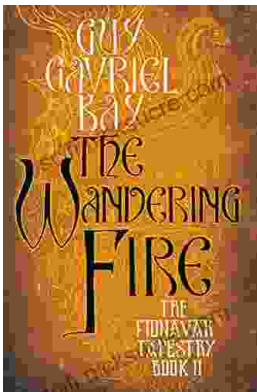|	
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