What Is The Mathematical Symbol For Greater Than

Decoding the Universe: Unveiling the Symbol for "Greater Than" We often take the simplest mathematical symbols for granted, like the humble "+" for addition or the elegant "x" for multiplication. But what about the seemingly innocuous "greater than" symbol? A simple ">" seemingly holds a universe of implications, a subtle yet powerful representation of a fundamental concept in mathematics and, dare I say, life itself. This delves into the fascinating world of this seemingly straightforward symbol, exploring its origins, applications, and the often-overlooked nuances that lie beneath its seemingly simple form. The "greater than" symbol, ">" is, in its essence, a relational operator. It defines a specific comparison between two values – a comparison that fundamentally shapes our understanding of quantity, magnitude, and the order of things. It's a tool, a symbol, that allows us to establish hierarchies, to analyze trends, and ultimately, to understand the world around us.

The Historical Genesis of ">"

While its precise origins are shrouded in the mists of mathematical history, the "greater than" symbol's evolution is a testament to the organic and iterative nature of mathematical notation. Early forms of inequalities likely relied on verbal descriptions or cumbersome symbolic representations. The development of a concise and universally recognizable symbol like ">" is a testament to the power of efficient mathematical communication. Various theories exist regarding the origin of the symbol. Some scholars posit that the arrow-like form developed from a stylized "greater" or "bigger" notation, while others link it to earlier notations for "more than" or the concept of ordinal position. Regardless of the precise genesis, the modern ">" emerges as a crucial tool for clarity and precision in mathematics.

Exploring the Realm of Inequalities

The ">" symbol is not merely a standalone element; it's an integral part of a broader mathematical framework: inequalities. Inequalities express a relationship of comparison between two mathematical expressions, stating that one expression is greater than, less than, or equal to the other. These inequalities play a fundamental role in diverse mathematical fields, from calculus to linear programming.

Symbol	Meaning
>	Greater than
<	Less than
≥	Greater than or equal to
≤	Less than or equal to

Applications Across Disciplines

The ">" symbol isn't confined to the theoretical realms of mathematics. Its practical applications span a wide spectrum of disciplines. • **Economics:** In economic models, the ">" symbol is used to represent comparisons of wealth, incomes, or market values. • Engineering: In engineering designs, the ">" symbol is used to quantify permissible tolerances and constraints. • Science: In scientific experiments, the ">" symbol is used to establish the magnitude of certain measurements or the strength of correlation. • **Statistics:** Statistical analyses often involve inequalities to determine probabilities, significance levels, and trends.

Visualizing the Concept

Understanding the ">" symbol becomes easier with visualization. Imagine a number line extending from negative infinity to positive infinity. The ">" symbol effectively identifies which values lie to the right of another on this line. Values to the right

of another on the number line are "greater than" those values to the left.

The Deeper Significance: Beyond the Symbol

The "greater than" symbol, in its simplest form, encapsulates a profound concept: comparison. It forces us to evaluate and contrast, to rank and order. But it also highlights an essential aspect of human nature: the pursuit of improvement, the aspiration to excel, and the desire to surpass. Understanding inequality is also recognizing the different ways in which we can measure and evaluate.

Benefits of Mastering the Symbol

• Enhanced Mathematical Proficiency: Understanding and applying the ">" symbol is crucial for mastering algebraic concepts, solving equations, and mastering advanced mathematical structures. • **Improved Critical Thinking:** The act of comparison inherently promotes critical thinking and analytical skills. • Broader Problem-Solving Capabilities: Applying inequalities allows for the analysis of scenarios involving ranges of values, leading to more nuanced problem-solving strategies.

Navigating the Nuances of Inequality

Understanding Different Types of Inequalities

As mentioned previously, the ">" symbol is part of a broader system of inequalities. It's crucial to distinguish between ">" (greater than) and "≥" (greater than or equal to). The subtle difference in notation reflects a significant distinction in comparison.

The Importance of Context

The significance of the ">" symbol hinges on context. In a mathematical equation, it represents a specific numerical relationship. In a broader societal context, it can represent the concept of growth, success, or progress.

Frequently Asked Questions (FAQs)

1. **Q: What is the difference between ">" and "≥"? A:** ">" signifies strictly greater than, while "≥" signifies greater than or equal to. 2. Q: How does the ">" symbol relate to other mathematical symbols? *A:* The ">" symbol acts as a relational operator, working in conjunction with other mathematical symbols to define comparisons and solve problems. 3. **Q: Can you give an example of the ">" symbol's application in the real world?** A: A company comparing its profits year-on-year uses the ">" symbol to identify improvements in financial performance. 4. Q: How does the ">" symbol build upon the foundations of arithmetic? A: It extends the basic arithmetic operations by introducing the concept of comparison, which is fundamental to solving complex mathematical problems. 5. **Q: What are some advanced applications of the ">" symbol beyond basic calculations?** *A:* Inequalities are essential in optimization problems, calculus, and differential equations.

Conclusion

The seemingly simple ">" symbol represents a fundamental concept in mathematics: comparison. It's more than just a symbol; it's a tool that allows us to quantify, analyze, and understand the world around us. By mastering its use and understanding the nuances of inequalities, we unlock a powerful ability to analyze and solve complex problems. It's a subtle symbol with a profound impact. From the intricacies of mathematical equations to the complexities of human interactions, the concept of "greater than" remains a powerful force.

Ever found yourself staring at a string of numbers and symbols, trying to decipher the meaning? Math can sometimes feel like its own language, and understanding its grammar is key to unlocking its power. One of the most fundamental building blocks of this language is the concept of comparison. We constantly compare things in our daily lives, right? Is this apple bigger than that one? Is this price lower than that? Math has its own elegant way of expressing these comparisons, and at the heart of it lies a very important symbol: the 'greater than' symbol.

The Humble Yet Mighty: What is the Mathematical Symbol for Greater Than?

So, what exactly is this crucial mathematical symbol? Simply put, the mathematical symbol for greater than is **>**. It's a deceptively simple design – two equal-length lines meeting at a point, with the open side facing the larger quantity. Think of it as an arrow pointing towards the smaller number, signifying that there's "more" on the left side of the symbol.

This symbol is a cornerstone of inequality, a concept that deals with relationships where quantities are not necessarily equal. While we often focus on equality (the equals sign, =), the world of mathematics, and indeed the real world, is full of situations where one thing is definitively larger or smaller than another. Understanding the 'greater than' symbol is your first step into this dynamic realm of mathematical comparison.

A Visual Analogy: The Alligator's Mouth

One of the most popular and effective ways to remember the 'greater than' symbol is through the "alligator's mouth" analogy. Imagine a hungry alligator. What does an alligator do when it sees food? It opens its mouth wide to gobble up the biggest meal! The open end of the 'greater than' symbol (>) represents the alligator's open mouth, always facing the larger number (the "food"). The pointed end, conversely, represents the alligator's snout, directed towards the smaller number.

So, when you see **5 > 3**, you can think: "The alligator's mouth is open towards 5, because 5 is bigger than 3." This visual cue is incredibly helpful for students learning about inequalities for the first time and even for those who just need a quick reminder.

The Anatomy of the 'Greater Than' Symbol

While it might seem straightforward, let's break down the components and nuances of this symbol:

Form and Function

The 'greater than' symbol (>) is characterized by its acute angle on the left and its obtuse angle on the right. This distinct shape is its visual identifier. Its primary function is to assert that the numerical value or quantity on its left is of a higher magnitude than the numerical value or quantity on its right.

Distinguishing from 'Less Than'

It's crucial to differentiate the 'greater than' symbol from its counterpart, the 'less than' symbol (<). The 'less than' symbol is the mirror image of 'greater than', with the open end facing the smaller quantity. If **a > b**, then it's also true that **b < a**. Remembering the alligator analogy is key here; the mouth always faces the bigger number!

The 'Greater Than or Equal To' Symbol

Beyond the simple 'greater than', there's another related symbol: 'greater than or equal to' (**≥**). This symbol combines the idea of being larger with the possibility of being equal. For instance, if a test score needs to be **80 ≥ x**, it means the score (x) must be 80 or lower. Similarly, if a minimum requirement is **x ≥ 10**, then x can be 10 or any number larger than 10. This symbol is vital in scenarios where a boundary includes the defining value itself.

Where Do We See the 'Greater Than' Symbol in Action?

The 'greater than' symbol isn't confined to abstract mathematical equations; it permeates various aspects of our lives and is fundamental to computer science, programming, and everyday problem-solving.

In Everyday Mathematics

From elementary school math problems to more complex financial calculations, the 'greater than' symbol is ubiquitous. You might use it to compare:

1. Shopping deals: "This shirt costs $20, but that one is $15. So, $20 > $15."
2. Travel times: "Driving to the city takes 2 hours, but taking the train takes 1.5 hours. So, 2 hours > 1.5 hours."
3. Age comparisons: "My brother is 10 years old, and I am 12. So, 12 > 10."

In Computer Programming and Logic

This is where the 'greater than' symbol truly shines in its power and versatility. In programming languages like Python, Java, C++, and JavaScript, the '>' operator is used extensively for conditional statements. These statements dictate the flow of a program based on whether a certain condition is true or false.

For example, in pseudocode, you might see something like:

```
IF temperature > 30 THEN
    print("It's a hot day!")
END IF
```

Here, the program will only print the message if the value stored in the 'temperature' variable is strictly greater than 30. This is a foundational concept in creating interactive and dynamic software.

Beyond simple temperature checks, programmers use 'greater than' for a myriad of comparisons:

1. Checking if a user's input is valid (e.g., age > 18).
2. Comparing data values to determine the largest or smallest.
3. Implementing sorting algorithms where elements are ordered based on their values.
4. Setting thresholds for alerts or notifications.

In Data Analysis and Statistics

When analyzing data, understanding distributions and identifying outliers often involves using 'greater than' comparisons. For instance, in statistics, you might talk about percentiles where a certain value is greater than a specified percentage of data points.

Consider a dataset of student test scores. You might want to know how many students scored higher than a certain passing grade. This would involve a 'greater than' operation.

In Scientific and Engineering Applications

From physics to engineering, the 'greater than' symbol is used to define operational limits, compare measurements, and express physical laws. For example, a bridge might be designed to withstand a load greater than a certain weight, or a chemical reaction might only occur if the temperature is greater than a specific point.

Mastering the Nuances: Common Pitfalls and Best Practices

While the 'greater than' symbol is fundamental, beginners sometimes stumble over its usage. Here are some common pitfalls and how to avoid them:

Confusing '>' with '<'

As mentioned before, the most frequent error is mixing up the 'greater than' and 'less than' symbols. Always visualize the alligator's mouth. If you're unsure, rewrite the statement with the 'less than' symbol to check if it makes sense.

Misunderstanding 'Greater Than or Equal To'

Remember that '>' means strictly greater. If you need to include the possibility of equality, you must use '≥'. For example, if a password must be at least 8 characters long, the condition is length ≥ 8, not length > 8.

Context is Key

The meaning of 'greater than' can extend beyond simple numerical values. It can apply to sets, sequences, or even abstract concepts in higher mathematics. Always consider the context in which the symbol is used.

The Broader Implications: Inequality and Ordering

The 'greater than' symbol is a gateway to the broader mathematical concept of inequality and ordering. Inequality allows us to describe relationships between numbers that aren't equal, forming the basis for many mathematical and logical systems.

Sets and Ordered Pairs

In set theory, we can define subsets or compare the cardinalities (number of elements) of sets using inequality. In the context of ordered pairs (like coordinates on a graph), we can define regions where one coordinate is greater than another. For instance, the region where $x > 0$ represents all points to the right of the y-axis.

Mathematical Induction and Proofs

In advanced mathematics, particularly in proofs, the 'greater than' symbol is used to establish bounds, prove convergence, or demonstrate that one quantity grows faster than another. Mathematical induction often relies on showing that a property holds for an initial case and then demonstrating that if it holds for 'n', it also holds for 'n+1', frequently involving comparisons that utilize the 'greater than' concept.

In Conclusion: Embracing the Power of Comparison

The mathematical symbol for greater than, '>', is far more than just a simple character. It's a powerful tool that enables us to express comparisons, define conditions, and build the logical structures that underpin much of modern science, technology, and problem-solving. From the simplest arithmetic to the most complex algorithms, understanding and utilizing this symbol effectively is a key step in mastering the language of mathematics and unlocking its vast potential.

So, the next time you encounter the '>' symbol, remember the hungry alligator, the open mouth, and the fundamental concept it represents: one quantity is undeniably larger than another. Embrace this symbol, and you'll find yourself better equipped to navigate the quantitative world around you.

The Mathematical Symbol for Greater Than: A Fundamental Notation in Logic and Learning Understanding mathematical

symbols is essential not only for students and educators but for anyone engaging with quantitative reasoning. Among the most universally recognized notations in mathematics is the symbol that represents the concept of "greater than." This symbol, represented by the angle bracket, plays a critical role in expressing inequalities, forming the foundation for logical comparisons in equations, graphs, and real-world data analysis.

Overview of the "Greater Than" Symbol The mathematical symbol for greater than is written as “>” — a neat, curved bracket opening to the right, resembling a pointed arrow that points upward and to the right. This simple yet powerful symbol emerged from the need to concisely denote that one quantity exceeds another. Unlike the equal sign, which conveys equivalence, or the less than symbol “” symbol uniquely expresses a strict inequality: it asserts that the value on the left is strictly larger than the value on the right. This precision is vital in mathematical reasoning, ensuring clarity when comparing numbers, algebraic expressions, or even complex datasets.

Beyond basic arithmetic comparisons, this symbol extends its utility across multiple domains. In algebra, for instance, inequalities involving “>” help define solution sets and constraints, guiding problem-solving in fields such as engineering, economics, and computer science. When graphing functions, the “>” symbol marks regions where one expression dominates another, enabling visual interpretation of behavior and trends. In statistics, inequalities expressed with “>” are essential for hypothesis testing, identifying thresholds, and determining significant differences between data groups.

Key Insights and Practical Applications One of the most profound insights behind the “>” symbol lies in its role as a gateway to logical thinking. By mastering its use, learners develop the ability to articulate complex relationships succinctly, a skill that transcends mathematics and supports analytical reasoning in daily life and professional contexts. For example, in budgeting, stating “monthly spending exceeds $500” using “>” precisely communicates a financial

boundary, prompting action. In science, researchers employ this symbol to define critical values—such as threshold concentrations or temperature limits—that determine system behavior. Moreover, the symbol's standardization promotes global consistency in education and technical communication. Whether in textbooks, research papers, or software algorithms, the ">" symbol remains a universally understood marker of superiority in magnitude, reducing ambiguity and enhancing precision. In programming and data science, conditional logic often hinges on comparisons involving ">", enabling automated decision-making and algorithmic control flows.

Benefits and Long-Term Impact The widespread adoption of the ">" symbol brings enduring benefits. For learners, it fosters clarity and confidence in expressing inequalities, laying a solid foundation for advanced mathematical topics. For professionals, it ensures unambiguous communication in technical documentation, engineering specifications, and data analysis reports. The symbol's simplicity and universality also support accessibility, allowing users across languages and cultures to interpret comparative statements without confusion. Looking ahead, as mathematics continues to evolve in fields like artificial intelligence, machine learning, and big data analytics, the role of basic symbols like ">" remains indispensable. While new notations and visual tools emerge, the ">" symbol endures as a timeless representation of relational logic. Its continued use reinforces the importance of clear, precise communication in an increasingly data-driven world, ensuring that comparisons remain transparent and actionable. In essence, the ">" symbol is more than a graphical mark—it is a cornerstone of logical expression, empowering individuals to navigate, analyze, and shape the quantitative dimensions of modern life with accuracy and insight.

The Fascinating World of Mathematical Symbols: Unpacking the 'Greater Than' Operator

In the intricate language of mathematics, symbols act as concise and powerful tools, conveying complex ideas with elegant simplicity. Among these fundamental building blocks of mathematical expression, the "greater than" symbol holds a position of paramount importance. It's a cornerstone for comparison, a vital component in inequalities, and a concept that permeates nearly every branch of mathematics, from elementary arithmetic to advanced calculus and computer science. But what exactly *is* the mathematical symbol for greater than, and how did it come to be such an indispensable part of our quantitative world?

This article delves deep into the origins, usage, and multifaceted applications of the 'greater than' symbol. We'll explore its visual representation, its historical development, and its crucial role in formulating mathematical statements and solving problems. Whether you're a student grappling with basic algebra, a programmer implementing logical conditions, or simply a curious mind seeking to understand the underpinnings of quantitative reasoning, this comprehensive analysis will illuminate the significance of this seemingly simple yet profoundly powerful symbol.

Defining the 'Greater Than' Symbol: A Visual Guide

At its core, the mathematical symbol for greater than is an operator that signifies a relationship of magnitude between two quantities. Visually, it is represented by a symbol that resembles an arrow pointing to the right, with one side being longer or more acute than the other.

The standard symbol is:

>

This symbol is placed between two mathematical expressions

(numbers, variables, or more complex formulas). The expression to the left of the symbol is considered to have a larger value than the expression to the right. For instance, in the statement 5 > 3, the symbol clearly indicates that the number 5 is greater than the number 3.

It's crucial to understand the orientation. The 'mouth' of the symbol (the wider, open end) always faces the larger quantity, while the 'point' or 'arrowhead' points towards the smaller quantity. This mnemonic is often taught to young learners to help them remember which way to orient the symbol when comparing numbers.

Sometimes, you might also encounter variations like the 'greater than or equal to' symbol (≥). This symbol includes the possibility of equality, meaning the two quantities can be either greater than each other or exactly the same. However, for the pure 'greater than' relationship, > is the exclusive operator.

The Genesis of Comparison: Historical Roots of the 'Greater Than' Symbol

Like many mathematical symbols, the 'greater than' sign wasn't always a universally recognized fixture. Its development is a testament to the human drive for clarity and efficiency in mathematical communication. The earliest forms of comparing quantities likely involved descriptive language or rudimentary gestures. As mathematics evolved, the need for standardized notation became increasingly apparent.

The direct ancestor of our modern 'greater than' symbol is widely attributed to the English mathematician Thomas Harriot. In his posthumously published work, *Arithmetical Literal and Numerical Questions*, written around 1631, Harriot introduced both the 'greater than' (>) and 'less than' (<) symbols. This was a significant leap forward, providing a compact and unambiguous way to express these fundamental relationships.

Prior to Harriot's innovation, mathematicians often relied on verbal

descriptions or less standardized notations. For example, they might have written "5 is more than 3" or used abbreviated phrases. Harriot's symbols offered a much-needed standardization that facilitated the widespread adoption and understanding of comparative mathematics across different regions and disciplines.

It's interesting to note that Harriot's work wasn't widely published until after his death. However, the symbols he devised were eventually adopted by others and became ingrained in mathematical texts, leading to their universal acceptance. The elegant simplicity of the '>' shape, resembling an arrowhead pointing towards the lesser value, proved to be an effective and intuitive design.

The Role of 'Greater Than' in Mathematical Statements and Inequalities

The primary function of the 'greater than' symbol is to form inequalities. An inequality is a mathematical statement that compares two values or expressions, asserting that one is not equal to the other. Inequalities are as fundamental to mathematics as equations, which use the equals sign (=) to denote equality.

Understanding Inequalities

An inequality involving the 'greater than' symbol takes the form:

A > B

Here, 'A' and 'B' can be any mathematical expressions. The statement asserts that the value of 'A' is strictly larger than the value of 'B'.

Examples of inequalities include:

1. **7 > 2 (7 is greater than 2)**
2. **x > 10 (The variable x is greater than 10)**
3. **2a + 1 > b (The expression 2a + 1 is greater than the expression b)**

Solving Inequalities

Just as we solve equations to find unknown values, we also solve inequalities. The process of solving inequalities often involves similar algebraic manipulations to solving equations, with a few key differences. For instance, when multiplying or dividing both sides of an inequality by a negative number, the direction of the inequality sign must be reversed. This highlights the subtle yet critical nature of the 'greater than' operator.

Consider the inequality $2x > 6$. To solve for x, we divide both sides by 2:

$x > 3$

This tells us that any value of x that is strictly greater than 3 will satisfy the original inequality.

Graphical Representation of Inequalities

Inequalities are often represented graphically, particularly on a number line. For an inequality like $x > 3$, we would mark the number 3 on the number line with an open circle (to indicate that 3 itself is not included) and then shade the line to the right of 3, representing all numbers greater than 3. This visual representation is fundamental in understanding solution sets for inequalities in one or more variables.

Applications Beyond Basic Arithmetic: Where 'Greater Than' Thrives

The influence of the 'greater than' symbol extends far beyond simple numerical comparisons. Its principles are woven into the fabric of numerous mathematical fields and practical applications.

Algebra and Beyond

As seen in the previous section, algebra relies heavily on inequalities for defining relationships between variables, solving systems of equations and inequalities, and understanding the behavior of

functions. Concepts like the domain and range of functions are often expressed using inequalities.

Calculus and Analysis

In calculus, the concept of limits is intimately related to inequalities. The formal definition of a limit involves an epsilon-delta argument, which uses inequalities to express how close a function's output is to its limit as the input approaches a certain value. For instance, $|f(x) - L| < \varepsilon$, which implicitly involves relationships of greater than or less than.

Computer Science and Programming

The 'greater than' symbol is a fundamental component of programming languages. It's used in conditional statements (like `if` statements) and loops to control program flow. For example, a programmer might write:

```
if (score > 90) { print("Excellent!"); }
```

This statement checks if the variable `score` is greater than 90. If it is, the program executes the code within the curly braces. This logical comparison is a cornerstone of algorithms and software development. Related operators like 'greater than or equal to' (often represented as `>=` in programming) are also ubiquitous.

Statistics and Data Analysis

In statistics, inequalities are used to define confidence intervals, probability ranges, and thresholds for significance. When analyzing data, we often compare observed values against critical values or expected ranges, using 'greater than' to establish whether a result is statistically significant or falls within an acceptable margin.

Economics and Finance

Economic models and financial analyses frequently employ inequalities

to represent constraints, market conditions, and investment strategies. For example, a company's profit might be modeled as being greater than a certain breakeven point for a strategy to be viable.

Common Pitfalls and Misconceptions

Despite its apparent simplicity, there are a few common areas where confusion can arise with the 'greater than' symbol.

1. **Orientation: The most frequent error, especially among beginners, is orienting the symbol incorrectly. Always remember the "alligator mouth" analogy: the open side eats the bigger number!**
2. **Strict Inequality vs. Non-Strict Inequality: Confusing '>' (strictly greater than) with '≥' (greater than or equal to) can lead to incorrect solutions, particularly when dealing with boundary conditions in problems.**
3. **Variable Substitution: When working with inequalities involving variables, it's crucial to perform algebraic operations correctly, especially when multiplying or dividing by negative numbers, which requires flipping the inequality sign.**

Conclusion: The Enduring Power of a Simple Symbol

The mathematical symbol for greater than, >, is far more than just a character on a page. It represents a fundamental concept of comparison that underpins vast swathes of mathematics, science, and technology. From the earliest lessons in counting to the most complex algorithms, the ability to discern which quantity is larger is essential for understanding and manipulating the world around us.

Thomas Harriot's innovation in the 17th century provided a clear and enduring notation for this vital relationship. Today, the 'greater than' symbol is a universal language, enabling clear communication and rigorous analysis across disciplines. Its straightforward visual representation belies its profound impact, making it a truly indispensable tool in the mathematician's, programmer's, and indeed,

any quantitatively-minded individual's toolkit.

Understanding the nuances of the 'greater than' symbol, its historical context, and its diverse applications is key to unlocking a deeper appreciation for the elegance and power of mathematical reasoning. It's a reminder that even the simplest symbols can carry immense meaning and contribute to the advancement of knowledge.

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Questions & Answers About what is the mathematical symbol for greater than

No	Question	Answer
1	What's that funny arrow symbol mean in math, the one pointing to the right?	That 'funny arrow' is the mathematical symbol for 'greater than'. It looks like a '>' and is used to show that the number on its left is larger than the number on its right.
2	How do I remember which way the 'greater than' symbol points?	A helpful tip is to think of it like a hungry alligator's mouth. The alligator always opens its mouth towards the bigger number, so the pointy end faces the smaller number.
3	Can you give me an example of using the 'greater than' symbol?	Certainly! If you see '10 > 5', it means 'ten is greater than five'. The symbol correctly shows that 10 is the larger value.
4	Is there a symbol for 'greater than or equal to'?	Yes, there is! It's represented by the 'greater than' symbol with a line underneath it: '≥'. This means the number on the left is either larger than or exactly the same as the number on the right.
5	Where do you typically see the 'greater than' symbol used?	You'll find the 'greater than' symbol everywhere in mathematics, from basic arithmetic to more advanced algebra and computer programming. It's fundamental for comparing quantities.
6	What's the opposite of the 'greater than' symbol?	The opposite of the 'greater than' symbol (>) is the 'less than' symbol (<). It points in the opposite direction and indicates that the number on the left is smaller than the number on the right.

> symbol, mathematical greater than sign, greater than operator, math symbol for greater than, greater than notation, > inequality symbol, comparative symbol math, mathematical symbol Greater than, inequality symbol in math, symbol for greater than comparison

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