

What Does Obtuse Mean In Math

Hey Math Lovers! Ever feel like a word is lurking in the shadows, whispering secrets about shapes and angles? Today, we're shining a light on "obtuse," a term that might seem intimidating but is actually pretty cool once you understand it. Let's dive in and unlock the mysteries of this mathematical marvel!

Decoding the Obtuse Angle: A Visual Journey

Obtuse, in the world of geometry, refers to an angle that's greater than 90 degrees but less than 180 degrees. Imagine a corner, but one that's wider than a right angle (a perfect 90-degree corner). That's an obtuse angle. Visualizing this is crucial for grasping its essence.

Visualizing the Obtuse Angle

Think of a clock. A right angle would be the hour and minute hands at 3 o'clock. An obtuse angle could be the hands at, say, 2:30 or 11:15. The angle formed is definitely wider than 90 degrees, but not quite a straight line. **Example:** Consider a triangle. If one of its interior angles is between 90 and 180 degrees, that angle is obtuse. The triangle itself, though, might

not be obtuse. Only the angle matters.

Beyond the Basic Definition

Obtuse angles aren't confined to simple two-dimensional drawings. They appear in three-dimensional shapes too. Imagine a slanted roof or a leaning tower. The angle of inclination is often obtuse. **Case Study:** The Eiffel Tower's support beams form various obtuse angles to provide structural stability. Engineers meticulously calculate these angles to ensure the tower's safety and resilience.

Obtuse Triangles: A Deeper Dive

Not all triangles have an obtuse angle. If a triangle has **one** obtuse angle, it's called an obtuse triangle. Understanding obtuse triangles reveals fascinating properties.

Properties of Obtuse Triangles

- *Uneven Side Lengths:* Typically, obtuse triangles have side lengths that don't match in proportion. This stems from the uneven spreading of the angles.
- **Largest Angle:** The obtuse angle is always the largest interior angle in the triangle.

Table: Comparing Acute, Obtuse, and Right Triangles | Triangle Type | Angle Properties | ||| | Acute | All angles are less than 90 degrees | | Obtuse | One angle is greater than 90 degrees and less than 180 degrees | | Right | One angle is exactly 90 degrees |

Practical Applications: From Engineering to Art

Obtuse angles play a pivotal role in countless fields: •

Architecture: Designing structures with slanted roofs or ramps involves using obtuse angles to ensure stability and aesthetic appeal. • **Engineering:** Bridge construction, creating support beams, and even designing vehicles all rely on calculating and incorporating obtuse angles for strength and function. • **Art:** Obtuse angles add dynamism and complexity to artistic creations. Artists might use obtuse angles in their sketches or paintings to capture motion or create a sense of depth.

Related Mathematical Concepts

Supplementary Angles

Obtuse angles are often paired with *acute* angles. Acute angles are smaller than 90 degrees. When combined, an obtuse angle and an acute angle form a *supplementary* angle pair. The sum of their measures is always 180 degrees.

Complementary Angles

Complementary angles, on the other hand, add up to 90 degrees. Obtuse angles, by definition, cannot be part of a complementary pair with another angle.

Key Benefits of Understanding Obtuse Angles

- **Problem-solving in geometry:** Understanding obtuse angles empowers you to solve intricate geometric problems, unlocking the mysteries of shapes and their properties.
- **Critical thinking:** Recognizing obtuse angles strengthens your analytical skills, making you adept at identifying patterns and relationships within geometric figures.
- **Improved spatial reasoning:** The ability to visualize and work with obtuse angles significantly enhances your spatial reasoning abilities, helping you solve problems that involve three-dimensional objects.

Expert-Level FAQs

1. **Q: Can an obtuse angle be part of a right-angled triangle?** **A:** No, a right-angled triangle by definition has only one 90-degree angle.

2. **Q: What's the relationship between an obtuse angle and its supplementary angle?** **A:** An obtuse angle and its supplementary angle add up to 180 degrees.

3. **Q: How does the concept of obtuse angles apply in 3D design?** **A:** Obtuse angles are integral to calculating angles between different surfaces and planes in 3D models.

4. **Q: Are all obtuse angles equal in size?** **A:** No, obtuse angles can vary in their precise degree measurement, ranging from 90.01 degrees to 179.99 degrees.

5. **Q: How does understanding obtuse angles enhance our understanding of other angles?** **A:** Understanding obtuse angles solidifies the concept of angles in general, providing a more comprehensive and nuanced

perspective on angle relationships and measurements. In closing, obtuse angles, though seemingly simple, hold a wealth of mathematical and practical significance. Their presence in diverse fields, from architecture to art, underscores their importance in our daily lives. So, the next time you encounter an angle that seems a bit "off-kilter," remember the power of obtuse angles and their profound impact on the world around us.

What Does Obtuse Mean in Math?

Unpacking the Mystery of Angles

Ever found yourself staring at a geometry problem, a diagram, or even a shape and wondering about the different types of angles? You've probably heard terms like "acute" and "right," but what about "obtuse"? It's a word that sounds a bit formal, perhaps even a little intimidating. But fear not! Understanding what an obtuse angle is in math is surprisingly straightforward and opens up a whole new appreciation for the shapes around us. In essence, an **obtuse angle in math** is simply an angle that measures more than 90 degrees but less than 180 degrees. That's the core definition, and it's the foundation we'll build upon. But like many mathematical concepts, there's more to explore than just the basic measurement. We'll delve into its characteristics, how to identify it, its role in different geometric figures, and even touch upon related concepts that will solidify your understanding. So, grab a metaphorical protractor, and let's get to the bottom of what obtuse truly means in the world of mathematics.

The Angle Family: A Quick Refresher

Before we dive headfirst into obtuse angles, let's quickly revisit the other members of the angle family. This will provide a helpful context for where obtuse angles fit in.

Acute Angles: The Sharp and Narrow

Think of acute angles as the "small" angles. They are the ones that are less than 90 degrees. Imagine the pointy corner of a pizza slice or the angle your pen makes when you grip it – those are typically acute. They're the most common angles you'll encounter in everyday life.

Right Angles: The Perfect Perpendicular

Ah, the trusty right angle! This is the angle that forms a perfect "L" shape, like the corner of a square or the junction of two walls. A right angle always measures exactly 90 degrees. They are fundamental to many geometric constructions and are often denoted by a small square in the corner of the angle.

Straight Angles: The Flat Line

A straight angle is exactly what it sounds like – a straight line. It measures 180 degrees. If you were to stretch out an acute or obtuse angle completely, you'd get a straight angle. It represents a complete turn in one direction.

Reflex Angles: The Big Swinger

Moving beyond 180 degrees, we have reflex angles. These are the angles that are greater than 180 degrees but less than 360

degrees. If you've ever opened a door really wide, the angle formed by the door and the wall on the inside might be a reflex angle. They represent the "larger" portion of the angle formed by two rays.

So, What Exactly is an Obtuse Angle?

Now that we've set the stage, let's zoom in on our main character: the obtuse angle.

The Defining Measurement: More Than 90, Less Than 180

As mentioned, the key characteristic of an obtuse angle is its measure. It sits comfortably in the range between a right angle and a straight angle. * **Greater than 90 degrees:** This means it's wider than a right angle. * **Less than 180 degrees:** This means it's not a perfectly flat line. Think of it this way: if a right angle is like standing straight up (90 degrees), and a straight angle is like lying down flat (180 degrees), an obtuse angle is somewhere in between, perhaps leaning back in a chair or opening a book to a wide spread.

Visualizing Obtuse Angles

The best way to truly grasp what an obtuse angle is, is to visualize it. * **Wide and Open:** Obtuse angles appear "wide" or "open" compared to acute angles. * **Not a Straight Line:** They don't form a straight line. * **The "Slouching" Angle:** You could imagine them as a slightly "slouching" angle, wider than upright but not completely horizontal. You'll find obtuse angles in various everyday objects and natural formations.

Think about the angle formed by a relaxed arm hanging down, or the angle of a roof that's not too steep.

Identifying Obtuse Angles: Your Go-To Guide

How can you be sure if an angle you're looking at is indeed obtuse? Here are some practical ways to identify them:

1. The Protractor Power

The most accurate way to determine the measure of any angle is by using a protractor. * Place the protractor's center point on the vertex (the point where the two rays meet). * Align the 0-degree line with one of the rays. * Read the measurement where the other ray crosses the protractor's scale. If the number you read is between 91 and 179 (inclusive), you've got an obtuse angle!

2. The Visual Clues (with a caveat!)

While not as precise as a protractor, visual cues can be a good starting point: * ****Wider than a Square Corner:**** Compare the angle to the corner of a piece of paper or a book. If it's clearly wider than that square corner (a right angle), it's likely obtuse. * ****Not a Flat Line:**** Ensure it doesn't form a straight line. * **Caveat:** Our perception can sometimes be deceiving, especially when angles are drawn at different orientations. Always confirm with a protractor if precise measurement is crucial.

3. The "Opposite" Angle Test (for some polygons)

In certain geometric shapes, like triangles, the type of angle can influence the side lengths. For example, in a triangle, the side opposite an obtuse angle is the longest side. This is a property that can help confirm if an angle is obtuse, especially when dealing with triangles.

Obtuse Angles in Geometric Shapes: Where Do They Appear?

Obtuse angles aren't just abstract concepts; they play a significant role in defining the properties and characteristics of various geometric shapes.

Obtuse Triangles: A Distinct Category

A triangle is classified by its angles. An **obtuse triangle** is a triangle that contains exactly one obtuse angle. The other two angles in an obtuse triangle will always be acute. This single obtuse angle gives the triangle a "lop-sided" or "leaning" appearance. **Example:** Imagine a triangle where one corner is very wide open, while the other two are relatively sharp. That's an obtuse triangle. **Side Length Relationship:** As mentioned, the side opposite the obtuse angle in a triangle is always the longest side. This is a key property of obtuse triangles.

Quadrilaterals and Beyond

Obtuse angles can also appear in other polygons, though they don't necessarily define the entire shape. **Parallelograms:**

A parallelogram might have obtuse angles. In fact, if a parallelogram has one obtuse angle, it will also have another obtuse angle (opposite to it), and two acute angles (opposite to each other). * **Trapezoids:** Certain types of trapezoids can contain obtuse angles. * **General Polygons:** Any polygon with more than three sides can potentially have obtuse angles as part of its internal angles. The presence of obtuse angles can influence the shape and appearance of these polygons, making them irregular or "non-standard" compared to those with only acute and right angles.

Common Misconceptions and Related Concepts

Sometimes, the terms and concepts surrounding angles can get a little mixed up. Let's clear up a few points.

Obtuse vs. Reflex: The 180-Degree Divide

The main difference between an obtuse angle and a reflex angle lies in their measurement range. * **Obtuse:** $90^\circ < \text{angle} < 180^\circ$ * **Reflex:** $180^\circ < \text{angle} < 360^\circ$ If you have two rays forming an angle, there are technically two angles you can measure: the smaller one and the larger one (going the other way around). If the smaller angle is obtuse, the larger angle will be reflex, and vice versa.

The Complementary and Supplementary Connection

While obtuse angles themselves aren't directly defined by complementarity or supplementary relationships (those

typically involve acute and right angles), understanding these concepts can deepen your grasp of angle relationships. *

****Complementary Angles:**** Two angles that add up to 90 degrees. If one angle is acute, its complement is also acute. *

****Supplementary Angles:**** Two angles that add up to 180 degrees. If one angle is obtuse, its supplement will be acute. For example, if you have an obtuse angle of 110 degrees, its supplement would be 70 degrees ($180 - 110 = 70$), which is an acute angle. This relationship is a good way to check your understanding of obtuse angle measurements.

Why is Understanding Obtuse Angles Important?

You might be wondering, "Why do I need to know all this about obtuse angles?" The answer is that understanding different angle types is fundamental to: *

- **Geometry:**** It's the building block for understanding shapes, their properties, and how they relate to each other.
- **Problem-Solving:**** Many geometry problems in school and beyond require you to identify and work with different types of angles.
- **Real-World Applications:**** From architecture and engineering to art and design, understanding angles is crucial for creating stable structures, visually appealing designs, and solving practical problems. Architects use angles to calculate slopes of roofs and the load-bearing capacity of structures, engineers use them in designing machinery and bridges, and artists use them to create perspective and balance in their work.
- **Spatial Reasoning:**** Developing an understanding of angles enhances your ability to visualize and interpret spatial relationships,

which is a valuable skill in many areas of life.

Conclusion: Embracing the "Wide Open" Angles

So, there you have it – the comprehensive dive into **what** does obtuse mean in math. It's a simple yet crucial concept: an angle measuring between 90 and 180 degrees. From identifying them with a protractor to recognizing their role in obtuse triangles and other polygons, understanding obtuse angles enriches your mathematical vocabulary and your ability to interpret the geometric world around you. Don't let the "obtuse" in obtuse be misleading; it's a straightforward angle with a distinct place in the geometric landscape. By recognizing its characteristics and applications, you're not just memorizing a definition; you're unlocking a deeper understanding of shapes and space, a skill that will serve you well in your mathematical journey and beyond. Keep your eyes peeled for those wide-open angles – they're everywhere!

Understanding "Obtuse" in the Context of Mathematics

In mathematics, the term obtuse extends beyond its everyday use to describe specific geometric and angular relationships, particularly within triangle geometry. At its core, obtuse refers to angles that measure more than ninety degrees but less than one hundred eighty degrees—meaning they fall in the range from 90° to 180° . This classification is essential in

distinguishing different types of angles and plays a critical role in solving geometric problems, classifying triangles, and applying foundational concepts across various mathematical domains.

The Role of Obtuse Angles in Triangle Classification

One of the most fundamental applications of obtuse angles lies in the classification of triangles based on their internal angles. A triangle is defined as obtuse when exactly one of its three interior angles measures an obtuse degree. This condition distinguishes it from acute triangles, where all angles are less than ninety degrees, and right triangles, which contain one precise right angle of exactly ninety degrees. Recognizing whether a triangle is obtuse helps students and professionals alike determine key properties such as side length relationships, area calculations, and the validity of certain geometric theorems. For example, in an obtuse triangle, the longest side always lies opposite the largest angle—here the obtuse angle—making it a pivotal factor in applying the Law of Cosines and other advanced trigonometric principles.

Real-World Applications and Problem Solving

Beyond theoretical geometry, understanding obtuse angles supports practical problem solving in fields ranging from architecture and engineering to computer graphics and physics. In construction, for instance, ensuring structural

components form appropriate obtuse angles can affect stability and load distribution. In design software, precise angle settings—especially obtuse ones—help achieve accurate visual models and mechanical interlocking. Moreover, in navigation and surveying, angular measurements often involve obtuse configurations, affecting direction and precision. Learning to identify and work with obtuse angles equips learners with tools to interpret real-world spatial relationships and solve complex spatial challenges efficiently.

Benefits of Mastering Obtuse Concepts in Mathematics

Grasping the concept of obtuse angles enhances overall mathematical fluency and spatial reasoning. It strengthens logical thinking by requiring students to analyze angle relationships and apply classification criteria systematically. This foundational knowledge supports deeper learning in geometry, trigonometry, and calculus, where angles frequently influence function behavior, equation solutions, and graph interpretations. Furthermore, it cultivates a more intuitive sense of shape, proportion, and symmetry—skills vital not only in STEM disciplines but also in artistic design and data visualization. By mastering obtuse angles, learners build a robust framework for tackling abstract mathematical ideas and real-world applications alike.

Future Outlook: Integrating Obtuse

Angles in Evolving Mathematical Education

As education continues to evolve, the importance of clearly explaining nuanced mathematical terms like obtuse remains paramount. With increased emphasis on conceptual understanding over rote memorization, educators are leveraging interactive tools, visual aids, and real-life modeling to deepen students' grasp of angular relationships. The future of math instruction lies in nurturing intuitive insight into concepts such as obtuse angles, enabling learners to confidently apply them across diverse contexts. As technology integrates more deeply into classrooms—through dynamic geometry software and immersive simulations—students will gain hands-on experience exploring how obtuse angles shape both theoretical frameworks and practical innovations. This ongoing evolution ensures that understanding obtuse angles remains not just a classroom topic, but a cornerstone of mathematical literacy and problem-solving excellence.

What Does Obtuse Mean in Math? Unpacking Angles and Their Significance

In the realm of geometry, where shapes and lines dance in a precise, structured universe, understanding the fundamental properties of angles is paramount. Among the various classifications of angles, one term that frequently surfaces is

"obtuse." But what exactly does obtuse mean in math? Beyond a simple definition, understanding obtuse angles unlocks a deeper appreciation for geometric relationships, from the simplest triangles to complex architectural designs. This comprehensive guide will delve into the meaning of obtuse angles, their characteristics, how to identify them, and their crucial role in various mathematical contexts.

Defining the Obtuse Angle: More Than Just "Big"

At its core, an **obtuse angle** is defined by its measurement. In Euclidean geometry, angles are typically measured in degrees. An obtuse angle is an angle that measures **greater than 90 degrees** but **less than 180 degrees**. This range is critical; angles outside this spectrum fall into different categories.

To visualize this, imagine two lines (or rays) originating from a common point (the vertex). The space between these lines is the angle. A 90-degree angle forms a perfect "L" shape, a right angle. An acute angle is smaller than this, "sharper." An obtuse angle, conversely, is wider than a right angle, appearing more "open" or "blunt." The 180-degree mark represents a straight line, where the two rays point in opposite directions.

Key Characteristics of Obtuse Angles

Understanding the definition naturally leads to exploring the distinct characteristics of obtuse angles:

1. **Size:** As established, their measure is between 90° and

180°. This makes them visually larger than acute or right angles.

2. **Opening:** They represent a wider separation between their two sides compared to acute angles.
3. **Relationship with Other Angles:** Obtuse angles often interact with other angles in geometric figures. For instance, two obtuse angles within a quadrilateral would lead to a figure with significantly "pushed-in" corners.
4. **Complementary and Supplementary:** An obtuse angle cannot be complementary (adding up to 90°) to any positive angle because it already exceeds 90°. However, it can be supplementary (adding up to 180°) to an acute angle. If you have an obtuse angle x , its supplement would be $180^\circ - x$, which will always be an acute angle.

Identifying Obtuse Angles: Practical Methods

Recognizing an obtuse angle is generally straightforward, but there are formal and practical ways to confirm it:

Visual Inspection

Often, a quick glance at an angle in a diagram is enough to categorize it. If it looks significantly wider than a square corner (a right angle), it's likely obtuse. Remember that diagrams can sometimes be misleading, so visual inspection is best used as a preliminary assessment.

Using a Protractor

The most precise method for determining the measure of an angle is using a **protractor**. This common geometric tool has a semicircular scale marked in degrees. To measure an angle:

1. Place the protractor's center mark on the angle's vertex.
2. Align the 0-degree line of the protractor with one of the angle's rays.
3. Read the degree marking where the other ray intersects the protractor's scale.
4. If the reading is between 91 and 179 degrees, the angle is obtuse.

Estimation and Comparison

If a protractor isn't available, you can estimate by comparing the angle to known angles:

1. **Right Angle:** Visualize a square corner (90°). If the angle is wider than that, it's either obtuse or straight.
2. **Straight Angle:** Imagine a perfectly flat line (180°). If the angle is less than that, it's within the obtuse range.
3. **Right Angle + Acute Angle:** An obtuse angle can be thought of as a right angle plus an additional acute angle.

The Significance of Obtuse Angles in Geometry

Obtuse angles are not merely descriptive labels; they play vital roles in defining the properties and classifications of various geometric shapes and theorems.

Triangles: The Obtuse Triangle

One of the most fundamental applications of obtuse angles is in the classification of **triangles**. A triangle is classified by the type of angles it contains:

1. **Acute Triangle:** All three angles are acute (less than 90°).
2. **Right Triangle:** One angle is a right angle (exactly 90°).
3. **Obtuse Triangle:** Exactly one angle is obtuse (greater than 90°).

It's crucial to note that a triangle can have at most one obtuse angle. If it had two, the sum of those two angles alone would exceed 180° , making it impossible for the third angle to be positive, which is a requirement for a triangle. The presence of an obtuse angle significantly affects the triangle's shape and how its sides interact. For instance, in an obtuse triangle, the altitude (height) from one of the acute vertices will fall outside the triangle's base.

Quadrilaterals and Polygons

Beyond triangles, obtuse angles are integral to understanding other polygons:

1. **Quadrilaterals:** Figures like trapezoids and irregular quadrilaterals can, and often do, contain obtuse angles. The sum of interior angles in any quadrilateral is always 360° . The presence of obtuse angles will influence the other angles and the overall shape. For example, in an isosceles trapezoid, the two base angles are equal, and if they are obtuse, the other two angles will be acute.
2. **General Polygons:** As the number of sides in a polygon

increases, so does the possibility of obtuse interior angles. The sum of the interior angles of an n -sided polygon is given by the formula $(n-2) * 180^\circ$. This formula allows for various combinations of acute, right, and obtuse angles, depending on the specific shape.

Angles in Real-World Applications

The concept of obtuse angles extends far beyond abstract geometry and into practical applications:

1. **Architecture and Engineering:** The angles of roofs, bridges, and building structures are meticulously calculated. The slope of a roof might create obtuse angles with the vertical walls. Understanding these angles is crucial for structural integrity and aesthetics.
2. **Navigation:** Bearing and direction are often represented using angles. Certain navigational routes or turns might involve obtuse angles.
3. **Art and Design:** Artists and designers use angles to create balance, tension, and visual interest. An obtuse angle can contribute to a sense of openness or a more relaxed composition.
4. **Computer Graphics and Game Development:** In 3D modeling and game engines, angles are fundamental for defining the orientation of objects, camera perspectives, and the physics of interactions.

Distinguishing Obtuse from Other

Angle Types

To solidify understanding, it's helpful to briefly contrast obtuse angles with their counterparts:

1. **Acute Angles:** Measure less than 90° . They are "sharp" and "pointed."
2. **Right Angles:** Measure exactly 90° . They form perfect corners, like the corner of a square or book.
3. **Straight Angles:** Measure exactly 180° . They form a straight line.
4. **Reflex Angles:** Measure greater than 180° but less than 360° . These are the angles "around the back" of an obtuse or acute angle.

The key differentiator for an obtuse angle is its position squarely between the 90° and 180° marks. This range is what gives obtuse angles their characteristic "wide" or "blunt" appearance and dictates their behavior in geometric calculations.

Common Pitfalls and Misconceptions

Even with a clear definition, some common misunderstandings can arise:

1. **Confusing Obtuse with Reflex:** Students sometimes mistake very wide angles for reflex angles. Remember, reflex angles go beyond a straight line (180°).
2. **Assuming Diagrams are to Scale:** Relying solely on visual cues without confirmation from measurements can lead to errors. A diagram might sketch an angle that

appears obtuse, but its actual measurement might be different.

3. **Thinking Triangles Can Have Multiple Obtuse Angles:**

As discussed, this is a mathematical impossibility due to the angle sum property of triangles.

Conclusion: The Broad Significance of the Obtuse Angle

In conclusion, to understand "what does obtuse mean in math" is to grasp a fundamental building block of geometry. An **obtuse angle** is simply an angle measuring between 90 and 180 degrees. However, its significance ripples through various geometric concepts, from classifying triangles and polygons to influencing the design of the world around us. By understanding its definition, how to identify it, and its role in different mathematical contexts, we gain a more profound appreciation for the elegant and logical structure of mathematics.

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Questions & Answers About what does obtuse mean in math

No	Question	Answer
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1	What's the simplest way to understand what an 'obtuse angle' is in math?	In math, an obtuse angle is simply an angle that measures more than 90 degrees but less than 180 degrees. Think of it as a 'wide' angle, wider than a perfect right angle.
2	Besides 'wide,' are there any other visual cues to identify an obtuse angle?	Yes! If you imagine a clock face, an obtuse angle looks like the space between the hands when it's, say, 3:45. The hands have opened up wider than a straight line, but haven't gone past the middle point.
3	How does an obtuse angle compare to other angle types like acute and right angles?	An acute angle is small (less than 90 degrees), a right angle is exactly 90 degrees (like a corner of a square), and an obtuse angle is in between - bigger than a right angle but smaller than a straight line (180 degrees).
4	Where might I encounter obtuse angles in everyday geometry?	You'll see obtuse angles in things like the shape of a pizza slice that's been cut a certain way, the angles of some roofs, or even the way a door swings open wider than 90 degrees.
5	Does being an obtuse angle have any special properties in geometric shapes?	Yes! For example, a triangle cannot have more than one obtuse angle. If a triangle has one obtuse angle, the other two must be acute. This is because the sum of angles in a triangle is always 180 degrees.
6	What's the mathematical notation or symbol used for degrees, especially when talking about obtuse angles?	Degrees are represented by a small circle symbol ($^{\circ}$). So, an obtuse angle would be described as being greater than 90° and less than 180° .

7	Can an obtuse angle ever be 180 degrees or more?	No. An angle that measures exactly 180 degrees is called a straight angle. Angles that measure more than 180 degrees are called reflex angles. An obtuse angle strictly falls between 90° and 180° .
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obtuse in geometry meaning, obtuse angles in math, obtuse definition in geometry, what obtuse means in math, obtuse vs acute triangle, obtuse angle explained, math concept obtuse angles, obtuse math terminology, obtuse geometry terms, understanding obtuse angles

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What Does Obtuse Mean In Math eBooks provide structured digital knowledge.

Core Discussion

Digital books help readers maintain productivity.

Practical Use

What Does Obtuse Mean In Math eBooks support consistent

study routines.

Conclusion

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