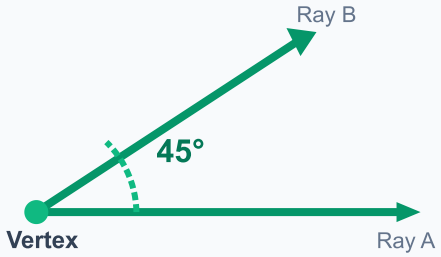
The Acute Angle

Small, sharp, and super cute!



Think of it this way: An acute angle is like a pair of scissors slightly opened or a sharp piece of pizza! It's smaller than a corner of a book.

📏 How Big Is It?

An acute angle is **greater than 0°** but **less than 90°**.

💡 How To Remember?

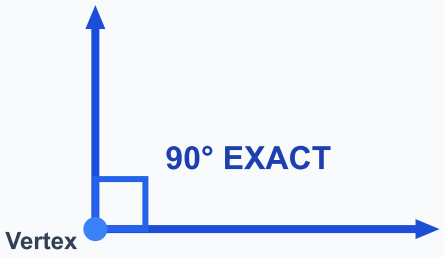
Think "a-cute" angle because it is small and cute!

Real-World Acute Angles You Can Find:

- The hands of a clock showing 1:00 o'clock.
- An open beak of a little tweeting bird.
- The top tip of a party hat or a sharpened pencil.

The Right Angle

The perfect square corner!



📘 **Think of it this way:** Look at the corner of your textbook, a television screen, or a door! They all form perfect right angles.

📐 Exact Measurement

A right angle is **always exactly 90°**. Not a bit more, not a bit less!

🟩 The Special Box

Right angles are shown with a small square box inside the corner instead of a round arc!

Where Do We See Right Angles?

- The letter "**L**" standing straight up.
- The corners of picture frames hanging on your wall.
- A clock when it strikes exactly 3:00 or 9:00!

The Obtuse Angle

Big, wide, and stretched out!



Think of it this way: An obtuse angle is like a reclining beach chair pushed way back so you can relax in the sun!

📊 How Big Is It?

An obtuse angle is **greater than 90°** but **less than 180°** (a straight line).

👀 Wide Open

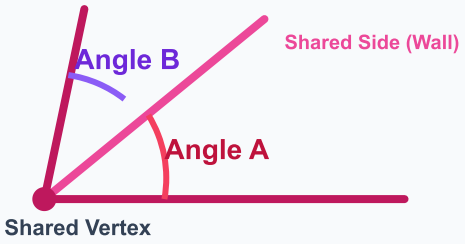
It opens wider than a square right corner!

Everyday Examples of Obtuse Angles:

- A fully opened hand fan.
- The roof of a house sloping gently down.
- A clock showing 4:00 or 5:00 o'clock.

Adjacent Angles

Next-door angle neighbors!



Think of it this way: Adjacent angles are like two rooms in a house that share the exact same middle wall!

🤝 Rule 1: Shared Side

They sit side-by-side and share one common ray (side).

📍 Rule 2: Shared Vertex

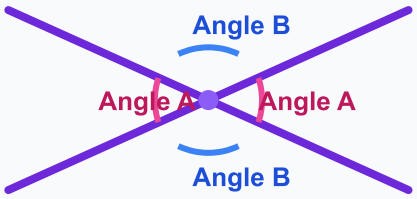
They both start from the exact same corner point (vertex).

Important Neighbor Rule:

Adjacent angles **NEVER overlap**! They sit neatly side-by-side, sharing a wall without stepping on each other's toes.

Vertical Angles

Opposite twin angles made by an "X"!





Think of it this way: Cross two sticks or swords to make an "X". The angles directly across from each other are vertical angle twins!

Perfect Equal Twins

Vertical angles are **always equal to each other**! If one is 50°, its opposite twin is also 50°.

Made By Crossing Lines

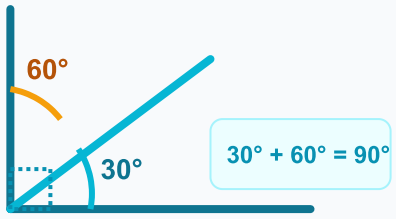
They are created whenever two straight lines cross through a single point.

Secret Superpower:

You don't even need to measure! If you know one vertical angle, you automatically know the angle directly across from it!

Complementary Angles

Two angles that add up to 90°!



Think of it this way: Like two puzzle pieces fitting together to build a perfect square corner (90°)!

➕ The 90° Sum

When you add both angle measurements together, they **equal 90°**.

💡 Memory Trick

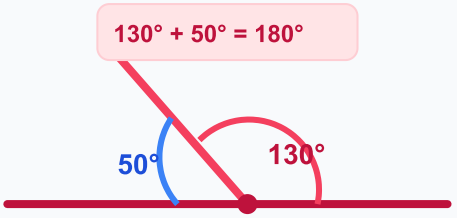
Think **"C"** in Complementary stands for **"Corner"** (90° right angle)!

Let's Practice:

- If Angle 1 is **40°**, what is its complement?
- *Answer:* 90° − 40° = **50°**! Together they make a full corner!

Supplementary Angles

Two angles that make a straight line (180°)!



Think of it this way: Put two angles side-by-side to form a perfectly flat straight ruler or horizon!

➕ The 180° Sum

Supplementary angles add up together to equal **exactly 180°**.

💡 Memory Trick

Think **"S"** in Supplementary stands for **"Straight line"** (180°)!

Let's Practice:

- If an angle is **110°**, what is its supplement?
- *Answer:* 180° − 110° = **70°**! Together they form a smooth line!

Angle Master Challenge! 🌟

Test your super geometry knowledge below!

1. Which type of angle measures EXACTLY 90 degrees?

◯ A) Acute Angle ◯ B) Right Angle ◯ C) Obtuse Angle

2. An angle that measures 45° is called an...

◯ A) Acute Angle ◯ B) Obtuse Angle ◯ C) Straight Line

3. Two angles that add up to 90° are called:

◯ A) Supplementary ◯ B) Complementary ◯ C) Vertical

4. True or False: Vertical angles across an "X" are always equal to each other!

◯ True ◯ False

5. What is the supplement to an angle measuring 100°?

◯ A) 80° ◯ B) 90° ◯ C) 10°

🔑 **Parent / Teacher Answer Key:**

1: B (Right Angle) | 2: A (Acute Angle) | 3: B (Complementary) | 4: True | 5: A (80°, because 100° + 80° = 180°)