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What is Angles

Unlock the World of Angles in Geometry!

DEFINITION

Angles are formed when two lines meet at a point. They measure the space between the lines in degrees.

KEY CONCEPTS

Types of Angles

There are different types of angles: acute (less than 90°), right (exactly 90°), and obtuse (more than 90° but less than 180°).

Complementary Angles

Two angles are complementary if their measures add up to 90° .

Vertical Angles

When two lines intersect, they form pairs of opposite angles called vertical angles, which are always equal.

Measuring Angles

Angles are measured using a protractor, which shows degrees on a curved scale.

Supplementary Angles

Two angles are supplementary if their measures add up to 180° .

EXAMPLES

- A pizza slice forms an angle at the tip.
- The corner of a book creates a right angle.
- The hands of a clock show different angles at various times.

MEMORY TIPS

- ★ Remember 'acute' as 'sharp' for angles less than 90° .
- ★ Think of 'right' angles as 'correct' angles at 90° .
- ★ Visualize a straight line as 180° to remember supplementary angles.

COMMON MISTAKES

- ✗ Confusing acute and obtuse angles.
- ✗ Forgetting to use a protractor correctly.
- ✗ Mixing up complementary and supplementary angles.

QUICK RECAP

Angles are the space between two intersecting lines, measured in degrees. Remember the types: acute, right, and obtuse, and how complementary and supplementary angles work. Practice measuring angles with a protractor for better understanding.