

ACUTE ANGLE TRIANGLE

A triangle is called an acute angled triangle if each of its three internal angles is less than 90 degrees. In other words, a triangle with three acute angles is called an acute triangle.

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Q1: What is the sum of the angles in an acute angled triangle?

- A: 90 degrees
 - B: 180 degrees
 - C: 270 degrees
 - D: 360 degrees
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Q2: What is the largest possible angle measure in an acute angled triangle?

- A: 30 degrees
 - B: 45 degrees
 - C: 60 degrees
 - D: 90 degrees
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Q3: What are the possible angle measures of an acute angled triangle?

- A: 30° , 60° , 90°
 - B: 45° , 45° , 90°
 - C: 50° , 60° , 70°
 - D: 80° , 80° , 80°
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Q4: If one angle of an acute-angled triangle measures 50 degrees, what is the measure of the largest angle?

- A: 60 degrees
 - B: 70 degrees
 - C: 80 degrees
 - D: 90 degrees
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Q5: What is not a property of an acute triangle?

- A: All angles are less than 90 degrees
 - B: One angle is equal to 90 degrees
 - C: The sum of all angles is 180 degrees
 - D: They're used in architecture, physics, navigation, etc.
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Q6: If one angle of an acute triangle is 70 degrees, what is the sum of the measures of the other two angles?

- A: 80 degrees
 - B: 90 degrees
 - C: 110 degrees
 - D: 100 degrees
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Q7: In an acute triangle, what is the shortest side opposite?

- A: Smallest angle
 - B: Obtuse angle
 - C: Right angle
 - D: Largest angle
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Q8: In an acute triangle, the side opposite the largest angle is?

- A: The shortest side
 - B: The longest side
 - C: Equal in length
 - D: None of the above
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Q9: What is the longest side of a right-angled triangle?

- A: Base
 - B: Perpendicular
 - C: The side opposite the shortest side
 - D: Hypotenuse
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Q10: An acute angle with all angles as identical can also be called:

- A: Right-angled triangle
 - B: Obtuse triangle
 - C: Equilateral triangle
 - D: Isosceles triangle
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Answers

Q1: B - 180 degrees

Q2: C - 60 degrees

Q3: C - 50° , 60° , 70°

Q4: B - 70 degrees

Q5: B - One angle is equal to 90 degrees

Q6: D - 100 degrees

Q7: A - Smallest angle

Q8: A - The shortest side

Q9: D - Hypotenuse

Q10: C - Equilateral triangle