

# Geometry Fundamentals Challenge

Basic Geometry · Answer Key · 10 Questions

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## 1. What is the measure of a right angle?

- A) 45 degrees
- B) 90 degrees**
- C) 180 degrees
- D) 360 degrees

## 2. How many sides does a triangle have?

- A) Two
- B) Three**
- C) Four
- D) Five

## 3. What is the sum of the interior angles in any triangle?

- A) 90 degrees
- B) 180 degrees**
- C) 270 degrees
- D) 360 degrees

## 4. A polygon with four equal sides and four right angles is called a...

- A) Rectangle
- B) Rhombus
- C) Square**
- D) Trapezoid

## 5. What is the name of a straight line segment that connects the center of a circle to a point on its circumference?

- A) Diameter
- B) Chord
- C) Radius**
- D) Arc

## 6. An angle that measures less than 90 degrees is known as what type of angle?

- A) Obtuse
- B) Right
- C) Acute**
- D) Straight

**7. How many faces does a standard cube have?**

- A) Four
- B) Six**
- C) Eight
- D) Twelve

**8. What is the perimeter of a rectangle with a length of 7 cm and a width of 3 cm?**

- A) 10 cm
- B) 21 cm
- C) 20 cm**
- D) 14 cm

**9. Two angles are complementary if their sum is equal to?**

- A) 45 degrees
- B) 90 degrees**
- C) 180 degrees
- D) 360 degrees

**10. Which term describes a flat surface that extends infinitely in all directions?**

- A) Point
- B) Line
- C) Ray
- D) Plane**