

Geometry Fundamentals Challenge

Basic Geometry · Practice Test · 10 Questions

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