

Foundations of Geometry

Geometry · Answer Key · 8 Questions

1. How many sides does a standard heptagon have?

- A) 5
- B) 6
- C) 7**
- D) 8

2. Which Greek mathematician is famously known as the 'Father of Geometry'?

- A) Euclid**
- B) Pythagoras
- C) Archimedes
- D) Thales

3. What is the sum of the interior angles of a triangle measured in degrees?

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

4. How many faces does a standard cube have?

- A) 4
- B) 6**
- C) 8
- D) 12

5. In the year 300 BCE, which seminal work on geometry was written?

- A) The Almagest
- B) The Elements**
- C) The Conics
- D) The Arithmetica

6. What is the numerical value of pi (?) rounded to the nearest tenth?

- A) 2.8
- B) 3.0
- C) 3.1**
- D) 3.5

7. A right angle is exactly how many degrees?

A) 45

B) 90

C) 100

D) 180

8. How many vertices does a square-based pyramid have?

A) 4

B) 5

C) 6

D) 8