

Cosmic Counting

Number Theory · Answer Key · 8 Questions

1. How many planets are in our solar system, representing the smallest counting number that is a perfect square?

- A) 7
- B) 8**
- C) 9
- D) 10

2. The number of moons orbiting the planet Earth is represented by which digit?

- A) 0
- B) 1**
- C) 2
- D) 3

3. If we represent the number of the planet Earth starting from the Sun as the first, second, or third, which ordinal number is correct?

- A) 1st
- B) 2nd
- C) 3rd**
- D) 4th

4. How many primary colors are there in the visible spectrum of light observed from stars, a prime number?

- A) 5
- B) 7**
- C) 9
- D) 11

5. Which of these numbers represents the total count of 'Giant' planets in our solar system, also known as an even number?

- A) 2
- B) 4**
- C) 6
- D) 8

6. The number of axes of rotation an ideal sphere like a star possesses is represented by which integer?

A) 0

B) 1

C) 2

D) 4

7. In the binary number system, which is used in space exploration computing, what is the smallest positive integer?

A) 0

B) 1

C) 2

D) 10

8. How many Earth days does it take for the Moon to orbit our planet approximately, a number that is a multiple of seven?

A) 21

B) 28

C) 35

D) 42