

Cosmic Number Theory

Number Theory · Practice Test · 18 Questions

1. How many moons does the planet Mars have, which is a prime number?

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

2. Which planet in our solar system is the 8th from the Sun?

- A) Saturn
- B) Uranus
- C) Neptune
- D) Pluto

3. What is the total number of official planets recognized in our solar system?

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

4. How many Earth days does it take for Mercury to complete one orbit around the Sun, rounded to the nearest integer?

- A) 88
- B) 120
- C) 225
- D) 365

5. The asteroid belt lies between the orbits of which two planets, identified by the integers 4 and 5 in distance from the Sun?

- A) Earth and Mars
- B) Mars and Jupiter
- C) Jupiter and Saturn
- D) Saturn and Uranus

6. In astronomical units (AU), what is the approximate distance of Earth from the Sun?

- A) 0.5
- B) 1
- C) 2
- D) 5

7. How many moons of Saturn have been officially named as of recent counts, involving a three-digit integer?

- A) 62
- B) 146
- C) 210
- D) 300

8. The 'Great Red Spot' on Jupiter has been observed for over how many centuries?

- A) 1
- B) 3
- C) 5
- D) 10

9. What is the perfect number of light-minutes from the Sun to the Earth?

- A) 5
- B) 8
- C) 12
- D) 15

10. Venus rotates on its axis in how many Earth days?

- A) 117
- B) 225
- C) 243
- D) 365

11. How many dwarf planets are currently recognized by the IAU in our solar system?

- A) 3
- B) 5
- C) 7
- D) 9

12. The moon orbits the Earth approximately once every how many days?

- A) 27
- B) 30
- C) 31
- D) 365

13. How many stars are in the Alpha Centauri system?

- A) 1
- B) 2
- C) 3
- D) 4

14. Uranus has how many known rings?

- A) 5
- B) 13
- C) 27
- D) 40

15. Neptune takes approximately how many Earth years to complete one orbit around the Sun?

- A) 84
- B) 120
- C) 165
- D) 248

16. How many gas giant planets exist in our solar system?

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

17. The sun accounts for what percentage of the total mass of the solar system?

- A) 95%
- B) 98%
- C) 99.8%
- D) 99.99%

18. How many terrestrial planets are there in the solar system?

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