

Cosmic Number Theory

Number Theory · Answer Key · 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