

Math in Space Exploration

Mathematics · Answer Key · 8 Questions

1. Approximately how many planets are in our solar system?

- A) 5
- B) 8**
- C) 12
- D) 10

2. What is the shape that most planets, including Earth, approximate?

- A) Cube
- B) Pyramid
- C) Sphere**
- D) Cylinder

3. The Earth orbits the Sun. Roughly how many days does it take for one full orbit?

- A) 30
- B) 365**
- C) 7
- D) 100

4. Which of these is the largest number of moons observed orbiting a single planet in our solar system?

- A) Jupiter**
- B) Mars
- C) Venus
- D) Mercury

5. What is the name of the closest star to Earth (other than our Sun)?

- A) Sirius
- B) Proxima Centauri**
- C) Alpha Centauri A
- D) Betelgeuse

6. What is the approximate number of galaxies in the observable universe?

- A) Thousands
- B) Millions
- C) Billions
- D) Trillions**

7. Which planet is known for having prominent rings?

- A) Jupiter
- B) Uranus
- C) Saturn**
- D) Neptune

8. The distance light travels in one year is called a light-year. Approximately how many kilometers is one light-year?

- A) 150 million
- B) 9.5 trillion**
- C) 1 million
- D) 100 thousand