

Cosmic Mathematics

Mathematics · Answer Key · 25 Questions

1. How many moons does the planet Earth have?

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

2. If a planet takes 2 years to orbit the Sun once, how many years does it take to complete 3 full orbits?

- A) 4
- B) 5
- C) 6**
- D) 7

3. A day on Earth is 24 hours. How many hours are in 2 days?

- A) 36
- B) 48**
- C) 60
- D) 72

4. How many planets are in our solar system?

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

5. If a rocket has 4 engines and 2 fail, how many engines are still working?

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

6. The Sun is at the center of our solar system. How many Suns are in our solar system?

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

7. If an astronaut visits 3 stars on Monday and 2 stars on Tuesday, how many stars did they visit in total?

A) 4

B) 5

C) 6

D) 7

8. How many sides does a triangle-shaped star formation have?

A) 2

B) 3

C) 4

D) 5

9. If a space probe sends back 10 images and 4 are blurry, how many clear images are left?

A) 4

B) 5

C) 6

D) 7

10. Earth is the third planet from the Sun. Which number planet is Mars?

A) 2

B) 4

C) 5

D) 6

11. If a space station has 8 docking ports and 3 are occupied, how many are empty?

A) 4

B) 5

C) 6

D) 7

12. How many Earths could fit across the width of the Sun, approximately?

A) 10

B) 50

C) 100

D) 500

13. If each of the 8 planets in our solar system had 1 moon, how many moons would there be in total?

- A) 6
- B) 7
- C) 8**
- D) 9

14. A light-year is the distance light travels in one year. How many years are in one light-year?

- A) 1**
- B) 10
- C) 100
- D) 1000

15. If a planet rotates once every 10 hours, how many rotations does it make in 20 hours?

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

16. How many legs would 2 alien robots have if each robot has 3 legs?

- A) 4
- B) 5
- C) 6**
- D) 7

17. If there are 12 months in an Earth year, how many months are in half a year?

- A) 4
- B) 5
- C) 6**
- D) 7

18. The Moon takes about 28 days to orbit Earth. How many weeks is this?

- A) 2
- B) 3
- C) 4**
- D) 5

19. If a spaceship is traveling at 5 units of speed and increases by 2, what is its new speed?

- A) 6
- B) 7**
- C) 8
- D) 9

20. How many circles are there in the planet Saturn's visible ring system?

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

21. If you have 9 planets (including Pluto as a dwarf planet) and remove 1, how many are left?

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

22. How many points does a standard star shape represent in elementary geometry?

- A) 3
- B) 4
- C) 5**
- D) 6

23. If a telescope lens costs 200 dollars and you have 300, how much change do you get?

- A) 50
- B) 100**
- C) 150
- D) 200

24. How many planets in our solar system have life as we know it?

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

25. If 2 asteroids collide, how many total objects were involved?

A) 1

B) 2

C) 3

D) 4