



Celebrate Pi Day: Discover the Magic of This Iconic Number!

Description

Every year, on March 14, people who love numbers and math think about a special number called pi.

We say "pie" and we write it as " π ". It starts with the numbers 3.14. Pi reminds us that math can be fun and important in our lives.

But why do we celebrate pi? What about other numbers like e or the golden ratio? Some people think other numbers deserve their own days, too.

Pi is a special number because it shows the relationship between a circle's distance around it (circumference) and its width (diameter). This number goes on forever and never repeats. The Welsh teacher William Jones named it in the 1700s.

People have known about pi for a long time. Even the Babylonians, about 4,000 years ago, used it to understand circles.

Today, pi is important in many areas of science and math. On Pi Day, people celebrate by sharing fun facts and enjoying pie!

Vocabulary List:

1. **Circumference** /sɜr'kʌm.fər.əns/ (noun): The distance around a circle.
2. **Diameter** /daɪ'æm.ɪ.tər/ (noun): A straight line passing from one side of a circle to the other through the center.
3. **Relationship** /rɪ'leɪ.ʃən.ʃɪp/ (noun): The way in which two or more concepts objects or people are connected.
4. **Celebration** /ˌsɛl.ə'breɪ.ʃən/ (noun): The action of marking one's pleasure at an important event or occasion.
5. **Understand** /ˌʌn.də'stænd/ (verb): To grasp the meaning significance or nature of something.
6. **Important** /ɪm'pɔːr.tənt/ (adjective): Of great significance or value.

Comprehension Questions

Multiple Choice

1. What special number do people celebrate on March 14?

Option: Pi



- Option: Euler's number
- Option: Golden ratio
- Option: 5

2. Who named the number pi in the 1700s?

- Option: William Jones
- Option: Archimedes
- Option: Pythagoras
- Option: Isaac Newton

3. What is the value of pi to start with?

- Option: 3.14
- Option: 2.72
- Option: 1.61
- Option: 4.44

4. What relationship does pi show for a circle?

- Option: Circumference and diameter
- Option: Area and perimeter
- Option: Width and length
- Option: Volume and radius

5. How do people celebrate Pi Day?

- Option: Sharing fun facts and enjoying pie
- Option: Watching movies
- Option: Going on hikes
- Option: Playing video games

6. What ancient civilization used pi to understand circles?

- Option: Babylonians
- Option: Romans
- Option: Mayans
- Option: Greeks

True-False

7. Pi can be expressed as a fraction.



8. Pi is a finite number.
9. Pi is named after the Greek letter
10. Pi is used in various areas of science and math today.
11. The value of pi is exactly 3.14.
12. Archimedes discovered the value of pi.

Gap-Fill

13. Pi is important in many areas of _____ and math.
14. Even the _____ used pi to understand circles.
15. William Jones named pi in the _____.
16. The value of pi goes on forever and never _____.
17. Pi Day is celebrated on _____ 14th.
18. Pi is the ratio of a circle's _____ to its diameter.

Answer

Multiple Choice: 1. Pi 2. William Jones 3. 3.14 4. Circumference and diameter 5. Sharing fun facts and enjoying pie 6. Babylonians

True-False: 7. False 8. False 9. True 10. True 11. False 12. False

Gap-Fill: 13. science 14. Babylonians 15. 1700s 16. repeats 17. March 18. circumference

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. What is the distance around a circle called?
Option: Radius



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- Option: Diameter
Option: Circumference
Option: Area
2. Which type of food should be limited in a healthy diet?
- Option: Fresh
Option: Processed
Option: Organic
Option: Homemade
3. What is physical activity done to improve health called?
- Option: Break
Option: Exercise
Option: Rest
Option: Diet
4. What is the possibility of something bad happening called?
- Option: Award
Option: Risk
Option: Reward
Option: Challenge
5. Which type of factors are inherited from parents?
- Option: Environmental
Option: Genetic
Option: Lifestyle
Option: Dietary
6. What term describes a person who is significantly overweight?
- Option: Underweight
Option: Obese
Option: Athletic
Option: Average
7. What term refers to a range of different things?
- Option: Uniformity
Option: Diversity
Option: Similarity
Option: Consistency
8. What are the activities related to selling products or services?
- Option: Production
Option: Sales



- Option: Innovation
- Option: Distribution

9. What is the total number of people living in a specific area?

- Option: Traffic
- Option: Population
- Option: Immigration
- Option: Territory

10. What encompasses the social behavior and norms of a specific group?

- Option: Music
- Option: Culture
- Option: Science
- Option: Sport

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

- 11. Education is _____ for personal growth and development.
- 12. Due to climate change the frequency of extreme weather events is _____.
- 13. The system can perform _____ updates without user intervention.
- 14. Developing good study _____ can improve academic performance.
- 15. Regular exercise provides numerous health _____.
- 16. Excessive workload can lead to high levels of _____.
- 17. People _____ festivals to mark special occasions.
- 18. Setting an alarm is a useful _____ to wake up on time.
- 19. Online shopping offers the _____ of shopping from home.
- 20. Hard work is often recognized with _____ and promotions.
- 21. It is important to _____ junk food consumption.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)



22. Scientists who conduct experiments and studies to expand knowledge in their field.
23. Individuals involved in a research study or an event.
24. Eating fruits and vegetables is for overall health.
25. The disappearance of a species from the Earth.
26. Evaluating similarities and differences between two or more things.
27. Remnants or impressions of ancient organisms preserved in rock.
28. A decline in cognitive function beyond normal aging.
29. The way in which two or more people or things are connected.
30. A series of actions or steps taken to achieve a particular result.
31. A feeling of emotional or physical tension.

Answer

Multiple Choice: 1. Circumference 2. Processed 3. Exercise 4. Risk 5. Genetic 6. Obese 7. Diversity 8. Sales 9. Population 10. Culture

Gap-Fill: 11. Important 12. Increasing 13. Automatic 14. Habits 15. Benefits 16. Stress 17. Celebrate 18. Reminder 19. Convenience 20. Rewards 21. Limit

Matching sentence: 1. Researchers 2. Participants 3. Beneficial 4. Extinction 5. Comparison 6. Fossil 7. Dementia 8. Relationship 9. Process 10. Stress

CATEGORY

1. Health - LEVEL1

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Author

aimeeyoung99