

THE NUMBERS SHOW

starring

ZERO and The Digits

Episode 5 Video Scavenger Hunt

Special Guest: Phi

Release: January 6, 2019

© NumbersAlive!®

1. How can Phi be a number if it is not made of any of the digits we know? Make a prediction before Zero explains the answer.
2. What is the sum of the digits of 2019? What is the product?
3. What is a resolution? Did you make any resolutions for yourself for 2019? Make a math or number-related resolution now!
4. What does Zero mean when he says he wants to “get in shape?” Does he mean change to look like a different digit?
5. What is geometry?
6. Can you name another relationship between 9 and 3 that El-9 doesn't mention?
7. Where in the world can you find another 3x3 grid?
8. What else in the world has 9 of something?
9. Can you think of an example of geometry in art? Draw or build your own geometric masterpiece!
10. Why is 9 a window cleaner? What is the connection between 9 and windows?
11. Phi is actually a symbol for a number that is too long to write. Phi is a letter in a different language's alphabet. Which alphabet could it be? Can you think of another symbol we use in math that comes from this language's alphabet?
12. What is a “mean” in math?
13. What is a proportion?
14. In what country can you find the Great Pyramids of Giza?
15. Name at least two artworks by Leonardo da Vinci. What country is da Vinci from?
BONUS: Where can you find da Vinci's most famous painting, the Mona Lisa, today?
16. Name two paintings by Salvador Dali. What country is Dali from?

17. What has Le Corbusier designed? Where can you find his designs?
18. What is a number pattern? CHALLENGE: What is a mathematical pattern you know?
19. How can a number be between two of the digits (two whole numbers)?
20. Make a list of at least one place in nature where you can find each digit.
21. What is your favorite number? Make a list of as many places as you can think of that you can find that number in the world around you.
22. List another example of a sequence you see in the world around you.
23. Find the next 5 numbers in the Fibonacci sequence.
24. Where else can you find the Fibonacci sequence in nature? (Hint: Look for natural spirals in leaves, shells, and more!)
25. Why is the Golden Spiral Candy Company's address 1123 Fibonacci Lane?
26. What is the Chamber of Commerce? What is their role or responsibility in a city?
27. What is Twelfth Night? Where is it celebrated? How old is this holiday?
28. Did Malvolio's friends act kindly toward him in the story?
29. There are lots of times in the year when two things are celebrated on the same day. Can you think of an example? Remember to think about other countries and cultures if you get stuck!
30. Why is the Twelfth Night Stocking Company on William Street?
31. Do you think yellow stockings are really very popular?

