

Episode 3 Learning Guide

Special Guest: 8

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- 1. What does it mean to eat a light snack?
- 2. What digits are in the binary number system? Why would that mean 0 shares it with 1?
- 3. Why was 0 never full at dinner?
- 4. Why would people stop and look both ways when they see 8?
- 5. How many mints are in the After 8 Dinner Mints commercial?
- 6. Why does 8 have a stop sign?
- 7. What shape is a stop sign?
- 8. What is the hat that 8 is wearing called?
- 9. How many legs does a spider have?
- 10. What do you call words that are spelled alike but pronounced differently? Name another pair of words that are spelled the same but pronounced differently.
- 11. What do you call words that are spelled differently but pronounced the same? Do you remember the answer from the game in episode 1?
- 12. Can you list words that look and sound the same as rain? CHALLENGE: Can you list words that look and sound the same as again?
- 13. Which nursery rhyme is older, "The Itsy Bitsy Spider" or "Little Miss Muffet?"
- 14. 8 and 0 mention both milky whey and the Milky Way. Is the picture shown of milky whey or the Milky Way?
- 15. We live on Earth, a planet in a solar system within the Milky Way galaxy. How many planets are in our solar system?
- 16. What does elliptical mean? Draw an elliptical shape. What's the difference between an elliptical shape and an oval shape?

- 17. How many places in the world can you list that you can find an 8 or 8 of something? For example, a stop sign has 8 sides.
- 18. Why is an octopus called an octopus?
- 19. Do octopi have arms or legs? Or are they called tentacles?
- 20. What is the reasoning that 007 thinks an octopus who loses one arm/leg/tentacle should be called a septapus?
- 21. What is the reasoning that 2-Love thinks an octopus with only 7 arms/legs/tentacles should still be called an octopus?
- 22. Can you name any other animal that regrows its legs or arms?
- 23. What is an arachnid?
- 24. Why is the plumbing company called Itsy Bitsy Spider Plumbing?
- 25. Why might 8 like the phone number for the phone company?
- 26. What is a "double point handicap?" Is it fair for 0 to get a handicap in the game? Why or why not?
- 27. Who would have won the game if 0 did not have a handicap?
- 28. Compare the number of letters of words completed by 0 versus the spider. If the number of letters were the method to determine who won the game, who would have won?
 - a: without a double handicap
 - b: with a double handicap
- 29. What is a cephalopod?
- 30. What is a mews?
- 31. What is the thinking that the octopus teaches that size does not matter when losing a leg/arm/tentacle?
- 32. Why did China open the Olympics at 08:08:08 on 08/08/08?
- 33. Challenging: What does the Pope Gregory change in the calendar have to do with 8? (Hint: What month was October before the change was made and what is it now after the change?)
- 34. What continent is Scotland on?
- 35. Who is Macbeth?
- 36. Why do you think bagpipes would be banned in Scotland?
- 37. Can you think of another instrument that has 8 parts?
- 38. Challenging: What country/area of the world is the phrase "prosperity and fortune" referring to?

Discussion	Longuago	Math	Critical	F 11	Ceioneo	A st	Coography	Cultura	lliston
Question	Language	Thinking	Thinking	ELL	Science	Art	Geography	Culture	History
1	х								
3		Х							
			X						
4			Х		Х			Х	
5		X							
6		Х	Х						
7		Х							
8								Х	
9		Х			Х				
10	Х			х					
11	Х			Х					
12	Х								
13								Х	Х
14	х		Х		x				
15					х				
16		Х	x			х			
17		Х	x				х	Х	
18	Х	х	x						
19	Х				х				
20	Х	х	х						
21	Х				х				
22					х				
23					х				
24	Х	х	х					Х	
25		х	х						
26			х					Х	
27		x							
28		x	x						
29					х				
30	Х							Х	
31		х	х						
32			х				х	х	х
33		х	х					х	х
34							х		
35	х							х	
36			Х				x	х	x
37		х	х			х		х	
38	х						x	х	

Content Link of Discussion Questions to Disciplines