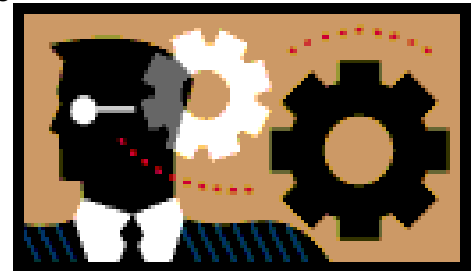


LOGIC (LOJ'IK) N. 1. THE SCIENCE WHICH INVESTIGATES THE PRINCIPLES GOVERNING CORRECT OR RELIABLE INFERENCE. 2. A PARTICULAR METHOD OF REASONING OR ARGUMENTATION. 3. THE SYSTEM OR PRINCIPLES OF REASONING APPLICABLE TO ANY BRANCH OF KNOWLEDGE OR STUDY. 4. REASON OR SOUND JUDGMENT. 5. CONVINCING FORCEFULNESS. (Webster's Encyclopedic Unabridged Dictionary of the English Language, 1989)

Mathematics and science are based on patterns, logic, and creativity. Knowing the basics of mathematics and science allow us to better understand the world around us and reach the goals we set for ourselves. When we encounter barriers, as everyone does at one time or another, we can better deal with them or even overcome them by thinking logically, identifying what is relevant or irrelevant to our task, and brainstorm reasonable solutions to our problems.

Classic logic puzzles allow us to practice using logic to solve 'problems' and identify patterns. People who enjoy logic puzzles often have highly developed mathematics skills. People who are not skilled at mathematics or logical thinking can develop those skills by doing logic puzzles.



LOGIC QUESTIONS

1. What in an automobile engine serves no purpose but without it the engine does not work?
2. You have a dime and a dollar, you buy a dog and a collar, the dog is a dollar more than the collar, how much is the collar?
3. A light-tight wooden box has three switches on the outside that control three light bulbs on the inside. When the box is closed you can turn the switches on or off but when you open the box how can you tell which switch controls each bulb without touching the switches?
4. On my way to the fair, I met 7 jugglers and a bear, every juggler had 6 cats, every cat had 5 rats, every rat had 4 houses, every house had 3 mice, every mouse had 2 louses, every louse had a spouse. How many in all are going to the fair?
5. Imagine you are in a sinking rowboat surrounded by sharks. How would you survive?
6. Johnny's mother had four children. The first was April, the second was May, and the third was June. What was the name of her fourth child?
7. A man left home running. He ran a ways and then turned left, ran the same distance and turned left again, ran the same distance and turned left again. When he got home there were two masked men. Who were they?
8. You are driving a bus. Four people get on, three people get off, then eight people get on and ten people get off, then 6 people get on and 2 more people get off. What color were the bus driver's eyes?
9. Why is it against the law for a man living in North Carolina to be buried in South Carolina?
10. The Mississippi River is the dividing line between Tennessee and Arkansas. If an airplane crashed exactly in the middle of the Mississippi River, where would the survivors be buried?
11. There was an airplane crash, every single person died, but two people survived. How is this possible?
12. "That attorney is my brother", testified the accountant. But the attorney testified he didn't have a brother. Who is lying?
13. Before Mount Everest was "discovered", what was the highest mountain in the world?

14. A hunter pitched her tent and then hiked straight south for five miles; she then turned and hiked five miles due east. Finally she turned again and hiked five miles straight north where she saw a bear ripping apart her tent. What color was the bear?
15. You are in a house with 4 windows, which all face South, a bear walks by. What color is the Bear?
16. A man and his son were in an automobile accident. The man died on the way to the hospital, but the boy was rushed into surgery. The emergency room surgeon said "I can't operate, that's my son!" How is this possible?
17. What came first, the chicken or the egg?
18. How far can you walk into the woods?
19. The day before yesterday, Chris was 7 years old. Next year, she'll turn 10. How is this possible?
20. You are in a cabin and it is pitch black. You have one match on you. Which do you light first, the newspaper, the lamp, the candle or the fire?
21. The maker doesn't need it, the owner doesn't want it, the user doesn't know he's using it what is it?
22. Which word, if pronounced right, is wrong, but if pronounced wrong is right?
23. If an electric train is going 150 miles per hour north and the wind is blowing the same south, which way does the smoke blow?
24. Which word is the odd one out: First Second Third Forth Fifth Sixth Seventh Eighth.
25. What happens only in the middle of each month, in all of the seasons, except summer and happens only in the night, never in the day?
26. A cowboy was going to London on his horse. It took 2 days to get there, he stayed for a day and it took him 1 day to get back! He went on Friday and came back on Friday! How?
27. Jim and his mom and dad went out in the rain on their holiday but only two of them got their hair wet. Why?
28. If you are in a race, what place are you in if you take over the person who is in second place?
29. A farmer has 17 sheep and all but 9 die. How many are left?
30. Mike is a butcher. He is 5'10" tall. What does he weigh?
31. Rearrange the following letters so as to form one word: NEW DOOR
32. How many apples would you have if you took two apples from three apples?
33. Three crows were sitting on a fence when a farmer spots them. He shoots one. How many were left?
34. How much dirt is there in a hole that is 3 ft deep, and 6 inches in diameter?
35. There are 10 white socks and 10 black socks in your sock drawer. How many socks do you have to take out before you have a matching pair of socks?
36. How long would it take 100 storks to catch 100 frogs when 5 storks need 5 minutes to catch 5 frogs?
37. A farmer combined 2 compost heaps with 3 others. How many compost heaps does he have?
38. A large family consists of 7 sons and each one of them has one sister. How many people are in that family?

LOGIC QUESTIONS - ANSWERS!

1. Noise.
2. A nickel, the dog cost \$1.05.
3. Turn one switch on for five minutes, turn it off, and turn another one on before you open the box. One bulb will be lit, one will be warm, another cool.
4. Just me, the others were coming from the fair.
5. Quit imagining!
6. Johnny.
7. The catcher and the umpire.
8. Whatever color your eyes are because you're driving the bus.
9. Because he's still living.
10. You do not bury survivors.
11. They were married.
12. Neither—the accountant was his sister.
13. Mt. Everest, because it's still the highest mountain in the world.
14. White, because it had to be a polar bear as she was camping on the North Pole.
15. White, for the same reasons as previous question.
16. The surgeon was his mother.
17. Dinosaurs laid eggs long before there were chickens.
18. Halfway, the other half you're walking out.
19. Today is January 1st. Chris' birthday is December 31st. Thus on December 30th she was 7, on Dec 31st she turned 8, this year she'll turn 9 and next year, 10.
20. The match.
21. A coffin.
22. Wrong.
23. None-an electric train has no smoke.
24. Forth—it should be fourth.
25. The letter N.
26. His horse's name was Friday.
27. His dad was bald.
28. Second.
29. 9.
30. Meat.
31. One Word.
32. 2.
33. None, the others flew away.
34. There's no dirt in a hole.
35. Three. If color is specified, then more are needed (11).
36. 5 minutes.
37. 1.
38. 8 kids; 10 counting the parents.