

Puzzle and Riddle Sources

- http://kids.lovetoknow.com/wiki/Printable_Logic_Puzzles_for_Kids
- http://www.thelogiczone.plus.com/logic_index.htm
- <http://www.enchantedlearning.com/math/logic/puzzles/>
- <http://brainden.com/logic-riddles.htm>

There are six people who are discussing their favourite movies. They are John, Jane, Rob, Rebecca, Brad, and Brenda. These are their favourite movies:

Spiderman Pretty Woman Star Wars Pirates of the Caribbean Titanic Jaws

Use the clues to discover which person likes which movie.

1. One of the girls likes Pirates of the Caribbean the best.
2. No one whose name begins with R likes science fiction movies about space.
3. No one likes a movie that starts with the same letter as his/her name.
4. Brad and Brenda both think that Titanic is a bad movie.
5. None of the men like Pretty Woman.
6. One of the girls likes Titanic the best.
7. None of the women likes Jaws.
8. Rebeca doesn't like Pirates of the Caribbean.
9. A man likes Spiderman the best.
10. Brad doesn't like Spiderman.
11. Rob's favourite movie is Jaws.
12. Rebeca hates Titanic.

ANSWERS:

John - Spiderman

Jane - Titanic

Rob - Jaws

Rebecca - Pretty Woman

Brad - Star Wars

Brenda - Pirates of the Caribbean

Danny is having a birthday party with 6 of his family members. They are his grandmother, mother, aunt, brother, father, and uncle. Their names in random order are Ben, Julie, Mike, Betty, Jane, and Luke. Listen to the clues to discover the names of Danny's family members.

Clues:

1. Ben is not Danny's uncle.
2. Danny's grandmother's name starts with B.
3. Luke is not Danny's brother.
4. Julie is not his aunt.
5. Danny's father's name is Mike.

Answers:

Grandmother: Betty

Aunt: Jane

Mother: Julie

Father: Mike

Uncle: Luke

Brother: Ben

Question one: It's Alan's birthday and he's having a party.

Seven other people will attend. Everyone will sit around the dining table. The seating arrangement must meet the following conditions.

Amy and Alan sit together.

Brad and Beth sit together.

Charles sits next to either Debbie or Emily.

Frances sits next to Debbie.

Amy and Alan do not sit next to either Brad or Beth.

Brad does not sit next to Charles or Frances.

Debbie and Emily do not sit next to each other.

Alan does not sit next to either Debbie or Emily.

Amy does not sit next to Charles.

Where should everyone sit?



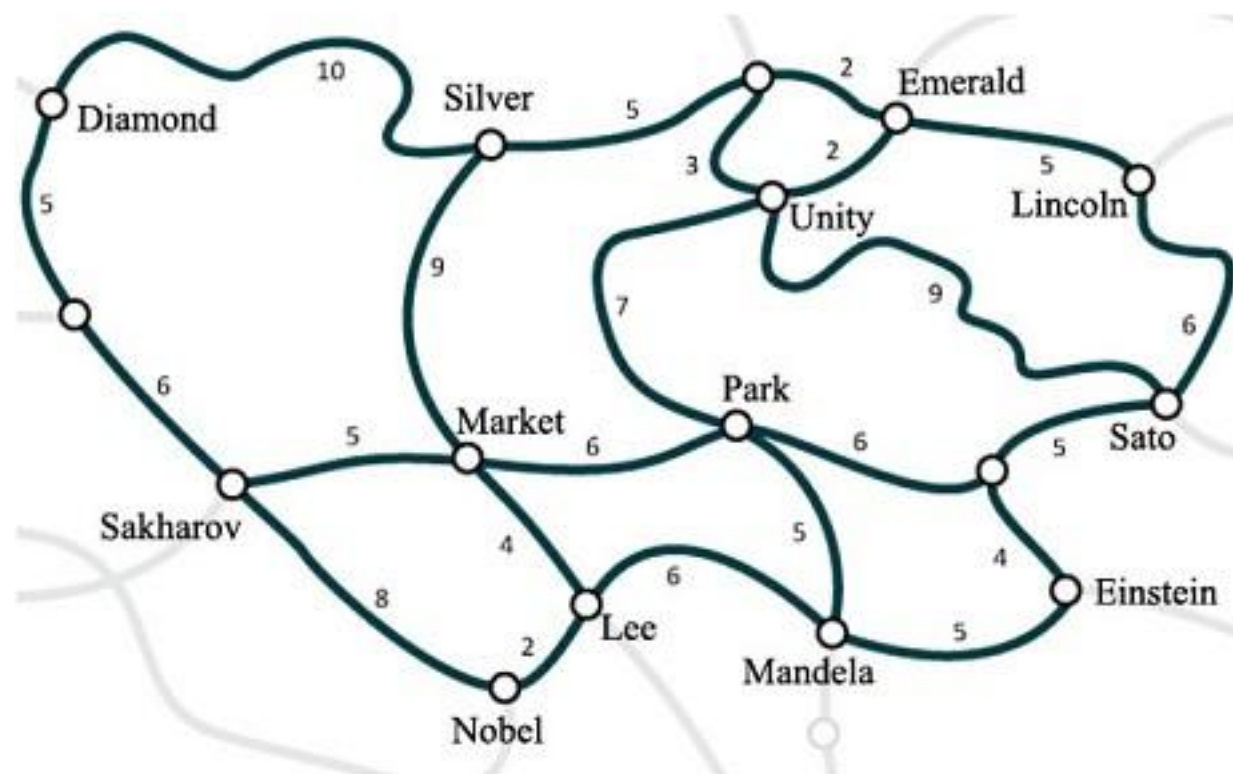
Guests: Amy, Brad, Beth, Charles, Debbie, Emily, Frances

[[Alan, 1], [Amy, 2], [Brad, 4], [Beth, 5], [Charles, 6], [Debbie, 7], [Emily, 3], [Frances, 8]],
[[Alan, 1], [Amy, 2], [Brad, 4], [Beth, 5], [Charles, 8], [Debbie, 7], [Emily, 3], [Frances, 6]],
[[Alan, 1], [Amy, 2], [Brad, 5], [Beth, 6], [Charles, 8], [Debbie, 4], [Emily, 7], [Frances, 3]],
[[Alan, 1], [Amy, 2], [Brad, 6], [Beth, 5], [Charles, 4], [Debbie, 7], [Emily, 3], [Frances, 8]],
[[Alan, 1], [Amy, 2], [Brad, 6], [Beth, 5], [Charles, 8], [Debbie, 3], [Emily, 7], [Frances, 4]],
[[Alan, 1], [Amy, 2], [Brad, 6], [Beth, 5], [Charles, 8], [Debbie, 4], [Emily, 7], [Frances, 3]],

Question two: Here is a map of a system of roads that links the suburbs within a city.

The map shows the travel time in minutes at 7.00am on each section of road. Julio lives in **Silver**, Maria lives in **Lincoln** and Don lives in **Nobel**. They want to meet in a suburb on the map. No one wants to travel for more than 15 minutes.

Where could they meet?



Question three: Using the same map above

Pepe is at **Sakharov** and wants to travel to **Emerald**. He wants to complete his trip as quickly as possible.

What is the shortest time for his trip?

Question four: A new robotic vacuum cleaner is being tested.

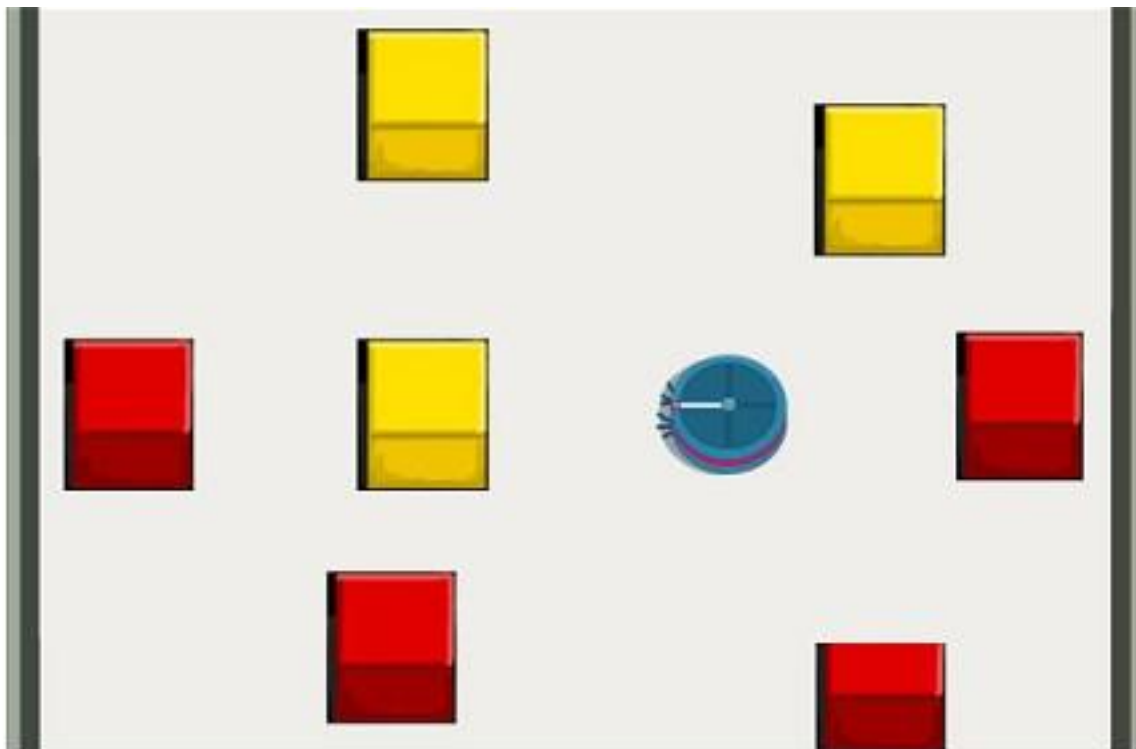
If it meets a red block it turns a quarter circle, anti clockwise (90 degrees) and moves forward until it meets something else.

If it meets a wall it turns a half circle (180 degrees) and moves forward until it meets something else.

Yellow blocks can be pushed, until they meet an obstacle (a red block or a wall). If it meets an obstacle it turns a half circle (180 degrees) and moves forward until it meets something else.

The vacuum cleaner is facing the left wall. By the end of the sequence it has pushed two yellow blocks.

If, instead of facing the left wall at the beginning of the animation, the vacuum cleaner was facing the right wall, how many yellow blocks would it have pushed by the end of the sequence?



Answers

One: There are twelve possible correct solutions (6 solutions, each with a corresponding mirror image solution)

Alan-Amy-Emily-Brad-Beth-Charles-Debbie-Frances (and its mirror).

Alan-Amy-Emily-Brad-Beth-Frances-Debbie-Charles (and its mirror).

Alan-Amy-Frances-Debbie-Brad-Beth-Emily-Charles (and its mirror).

Alan-Amy-Frances-Debbie-Beth-Brad-Emily-Charles (and its mirror).

Alan-Amy-Debbie-Frances-Beth-Brad-Emily-Charles (and its mirror).

Alan-Amy-Emily-Charles-Beth-Brad-Debbie-Frances (and its mirror).

Two: Either Park OR Silver

Three: 20 minutes

Four: One yellow block

Logic Puzzle One

A man is wearing black. Black shoes, socks, trousers, coat, gloves and ski mask. He is walking down a back street with all the street lamps off. A black car is coming towards him with its lights off but somehow manages to stop in time. How did the driver see the man?

Clue one: He wasn't carrying a torch

Clue two: The driver wasn't using any special technology
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Clue three: There was nothing special about the car

Clue four: There was nothing special about the man or his clothes

Clue five: There was nothing special about the street

Clue six: The man didn't have any trouble seeing the man
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Clue seven: The man wasn't surprised that the driver had seen him

Clue eight: The man could see the man because of light, but not because of artificial light

Clue nine: There wasn't any moonlight

Clue ten: There wasn't any starlight

Logic Puzzle Two

A man went to a party and drank some of the punch. He then left early. Everyone else at the party who drank the punch subsequently died of poisoning. Why did the man not die?

Clue 1: The man hadn't poisoned the other people

Clue 2: The man didn't know there was poison in the punch

Clue 3: The man hadn't drunk less punch than the other people

Clue 4: There was nothing special about the man's body

Clue 5: The poison was in the punch before the man drank it

Clue 6: The poison didn't go into the man's body

Clue 7: There was something different about the punch when the man drank it

Clue 8: Nobody changed anything about the punch after the man drank it

Clue 9: The change in the punch was connected to its temperature

Clue 10: The poison was in the punch all the time but could only be drunk as the temperature increased

Answer to logic puzzle 1 It was day time.

Answer to logic puzzle 2

The poison in the punch came from the ice cubes. When the man drank the punch, the ice was fully frozen. Gradually it melted, poisoning the punch.

Logic puzzle 3

A woman had two sons who were born on the same hour of the same day of the same year. But they were not twins. How could this be so?

Clue 1: The boys had the same father as each other

Clue 2: They had the same mother

Clue 3: They were conceived at the same time

Clue 4: They were conceived naturally

Clue 5: There was nothing physically strange about the boys, although they were slightly unusual

Answer to logic puzzle 3 They were two of a set of triplets (or quadruplets, etc.). This puzzle stumps many people. They try outlandish solutions involving test-tube babies or surrogate mothers. Why does the brain search for complex solutions when there is a much simpler one available?

Logic Puzzle 4

This is an unusual paragraph. I'm curious how quickly you can find out what is so unusual about it. It looks so plain you would think nothing was wrong with it. In fact, nothing is wrong with it! It is unusual though. Study it, and think about it, but you still may not find anything odd. But if you work at it a bit, you might find out.

If you translated the text into another language it would no longer be strange

There are no grammar mistakes in the paragraph

There are no punctuation mistakes in the paragraph

A native speaker would also find it difficult to spot what is unusual about the paragraph

There are no spelling mistakes in the paragraph

However, the strange thing about the text is connected to spelling

The words in the text are completely normal...

...but the letters in the text are a little unusual.

Answer to logic puzzle 4 There are no letter E's in the text. E is usually the most common letter in English.

<http://www.teachingandlearningenglish.com/wp-content/uploads/2014/03/Fun-ESL-Logic-Puzzle-for-Intermediate.pdf>

From: <http://themathmompuzzles.blogspot.kr>

What's Next?



香港小学一年级学生入学考试题

Hong Kong Elementary School First Grade Student Admissions Test Question



香港小学入学考试题: 21题 Hong Kong Elementary School Admissions Test Question: #21

What parking spot # is the car parked in?

A few weeks ago a number challenge arrived via Facebook.

It said that the following problem can be solved by pre-school children in 5-10 minutes, by programmers - in 1 hour, by people with higher education... well, check it yourself!

$$8809=6$$

$$7111=0$$

$$2172=0$$

$$6666=4$$

$$1111=0$$

$$3213=0$$

$$7662=2$$

$$9313=1$$

$$0000=4$$

$$2222=0$$

$$3333=0$$

$$5555=0$$

$$8193=3$$

$$8096=5$$

$$7777=0$$

$$9999=4$$

$$7756=1$$

$$6855=3$$

$$9881=5$$

$$5531=0$$

$$2581=?$$

I thought and thought and thought and couldn't figure it out. Pre-schoolers! It must be something not related to any kind of computation. Numbers, shapes, squiggles... After a while I cheated and found the solution on the web.

It is the number of loops in the digits.

2581 will have only 2 loops in the digit 8, so 2581=2