

To whoever is receiving this message...

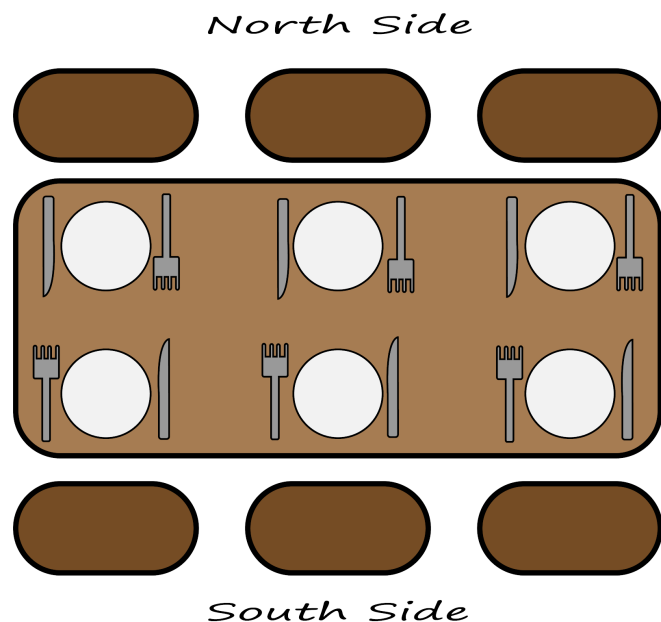
This message was intended for an elite group of specialized detectives. If this description does not fit you, you will not be allowed access to this information. To ensure that you are who I think you are and not someone who has hacked this message, I have included a problem-solving-based challenge that only the detectives I've sent this message to should be able to solve.

The Sitting at a Table Riddle;

6 people sit at this table. It is your job to find out who sits where by analysing a series of facts. The 6 people are Abby, Bob, Cathy, Doug, Eliza & Fredrick.

Here are the facts

- The people with an 'O' in their name are sitting immediately diagonally from each other.
- Cathy was facing Fredrick
- Bob Sat on the North Side
- Eliza sat between two people
- Frederick Had 2 people to his right
- Bob either had no one to his left or he was on the south side



Message for detectives;

Hello, this is Michael, I have found 4 suspects that may have caused the crime, they are Wiggins (Jennifer's gardener), Arthur (Jennifer's father), Hamish (Jennifer's Boyfriend) & Mary (Jennifer's friend). I have also found a few documents to help you solve this crime.

Here are the Suspects:

Wiggins



Arthur Doyle



Hamish Watson



Mary Mortson



Dirty Feet

From Michael,

Three out of the four suspects visited the house on the day of the murder. One of the suspects visited the day prior. Jennifer did not leave the house during the day meaning there were four tracks found on the footpath. Each was made out of a different material: Sand, Mudd, Water & Grass. The muddy track was the track made on the previous day. Each track is a different size. Find who was not at the house on the day of the murder. The facts are as follows:

Suspect foot sizes:

- Wiggins: 35cm
- Arthur: 25cm
- Hamish: 30cm
- Mary: 20cm

The facts are as follows:

- If you remove a seventh of the sandy tracks it's just as long as the muddy tracks
- The wet track is Mary's tracks
- The difference between the sandy and grass track is the product of 2 & 5
- The grass tracks are 25% bigger than the wet tracks



Real Rectangles

From Michael,

Hello Inspectors. This should be the fourth file you've received from me. I've found an interesting article on Bob Rickson News. This article may be able to help with the investigation. Good luck with it.

Don't you find it strange that the murderer paused to solve a math problem? Not only did they stop to solve it, but the murderer got it right! The murderer is good at math problems.

I had a look around the houses of the suspects and found the exact same problem that was found at the crime scene in TWO of the suspects' homes.

I already know that the other suspects know how to answer the problem, but it would seem either Mary or Wiggins do not. If they do not know the answer to the question, they weren't the murderer.

In other words detectives, whoever got it wrong is not the murderer. And whoever got it right might be the murderer.

Bob Rickson News

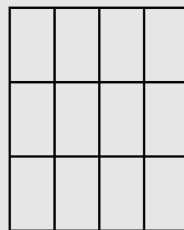
Footage Found of Jennifer Wilson Murder



Within the last 24 hours a member of Jennifer Wilsons family has found some breif footage of the murderer. From the footage, nothing can be said about who it is but a quite obscure thing happens before the murder; Jennifer had left some paperwork on her desk and upon it was a geometry puzzle that the murderer decided to take the time to complete. It took them a fair bit of time to complete this puzzle and nearly made them not be able to carry out the murder. It truly is an odd thing to do in this sort of circumstance.

Mary

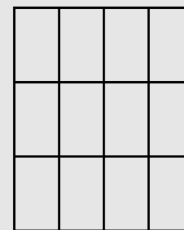
How many quadrilaterals
are in this image?



There is
54
quadrilaterals

Wiggins

How many quadrilaterals
are in this image?

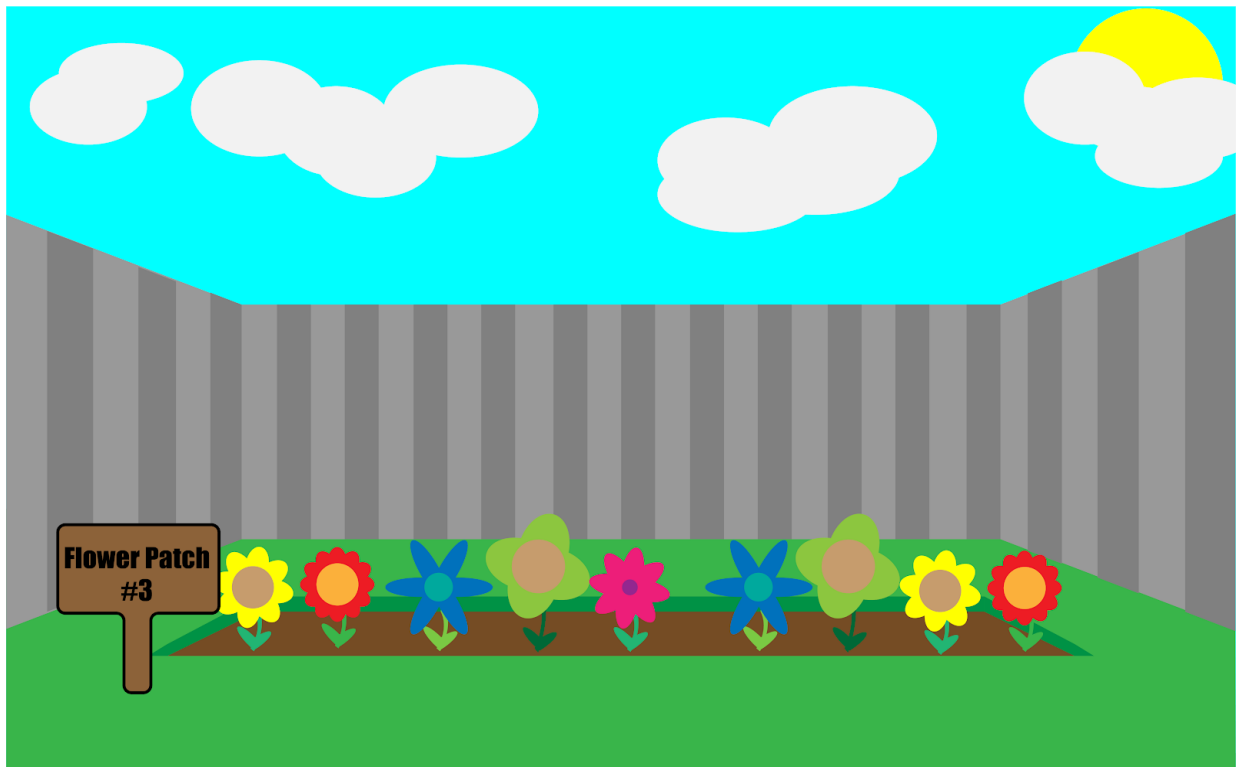


There is
60
quadrilaterals

Precious Plants

From Michael,

Hello again detectives! I have been able to interview Wiggins, the gardener of Jennifer Wilson's house. He has told me that at the time of the murder, he was at one of his friend's houses. This friend's name is Alex. I asked him where Alex lives but he says he only remembers that she lives in the sixth house on the road. However, he also said that Alex's address is somewhere in Jennifer Wilson's garden. I've taken a photo of the garden and I also found a piece of paper lying on the floor, but I can't find where the message is, here is the photo and the paper, can you please find the address so that I can locate Alex and make sure that Wiggins is telling the truth?



Alex Lives at _____

The Shattered Shards

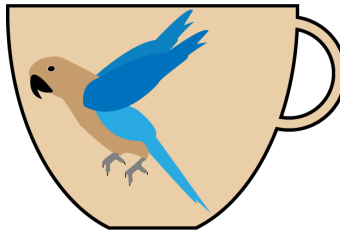
From Michael,

Hello detectives, I interviewed Wiggins' friend and it turns out he was telling the truth. That means that Arthur is the last remaining suspect. But we still need some extra proof that it was him. Fortunately, we found a shattered teacup at the scene of the crime that the murderer must have dropped. However, we can't quite determine its features. From the wreckage, we have found 3 definitive facts about it. We also went to the houses of the suspects and photographed their teacups. Here are the photos and the facts:

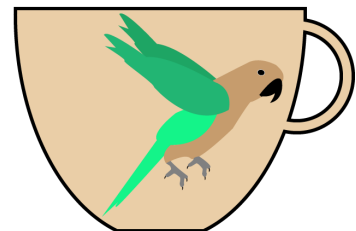
The facts;

- The bird(s) was flying
- The bird(s) was big or the bird was facing right
- There was either one bird on the cup or the bird(s) was standing

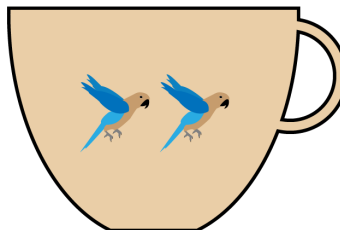
Arthurs Cup



Wiggins Cup



Marys Cup



Hamishs Cup

