

Mystery Night 1 Revised

Jai & Aidan

Characters

Victim

- Jennifer Wilson

Suspects

- Mary Mortson (friend)
- Hamish Watson (boyfriend)
- Wiggins (gardener)
- Arthur Doyle (father)

Other characters

- Michael Lee (colleague)
- Alistair Smith (employer)

Agenda:

Introduction Videos:

<https://drive.google.com/open?id=1Txa-e1MTLPxXCAkpBFSyyPQ-mQS8M9hw>

Part 1 - Who is the criminal

- A. Accessing the files
- B. Rule out Hamish
- C. Rule out Mary
- D. Rule out Wiggins
- E. Prove it's Arthur

Video Part 2

<https://drive.google.com/open?id=1Txa-e1MTLPxXCAkpBFSyyPQ-mQS8M9hw>

Part 2 - Where is the criminal

- A. Unlocking the map
- B. What country?
- C. What state?
- D. What City?
- E. Where?

Scripts:

Michael

Hello my name is Michael, you probably know me from work. As you likely know, my friend has been murdered by someone. Despite the fact you have been told otherwise by Alistair, I would really appreciate it if you helped me solve this crime. I will forever be in your debt if you can help me, thank you in advance. I have sent some files on the suspects that I would like you to go over. I have also found a room that you can work in whilst doing this. Alistair shouldn't check the room for another half an hour. Please ensure that you finish the work by this time so that you aren't forced to stop working by him.

Alistair 1

Hello, I am Alistair, you're boss. I am well aware that there is a discussion amongst you about the murder of Jennifer Wilson. If you aren't aware, Jennifer Wilson was murdered at home overnight, she was a good friend of one of your colleagues, Michael Lee. Regardless, I will not allow anyone here to investigate this crime. This is not to be dealt with by you.

Alistair 2

Hello, Alistair Here. I have been told by an employee that you have been working behind my back on the Jennifer Wilson crime. In any other situation, I would have to fire you. However, you did find that Jennifer Wilson's own father, Sir Arthur Doyle killed her. Because of this accomplishment, I will allow you to continue this job. You now have ½ an hour to find out where Arthur is, otherwise, you are fired. My men have found a map of his whereabouts in the last month. With this, you should be able to locate him.

Solutions:

Location	Description	Hint						
Part 1 - A Sitting at the Table	<table border="1"> <tr> <td>Cathy</td><td>Eliza</td><td>Bob</td></tr> <tr> <td>Frederick</td><td>Doug</td><td>Abby</td></tr> </table>	Cathy	Eliza	Bob	Frederick	Doug	Abby	Start with facts 3 & 6. Look at fact 5 Then fact 1
Cathy	Eliza	Bob						
Frederick	Doug	Abby						
Part 1 - B Dirty Feet	Hamish had the muddy footprints	Work from the wet tracks to the muddy tracks via the grassy and sandy.						
Part 1 - B Real Rectangles	There are 60 quadrilaterals in the image. Mary is no longer a suspect as she had the wrong answer.	Start with the 1x1 rectangles, then 1x2, 1x3, 1x4, 2x2, 2x3, 2x4 etc						
Part 1 - D Precious Plants	Alex lives at number 6 Adron Road.	Is the flower patch sign relevant?						
Part 1 - E Shattered Shirts	Arthur IS the murderer.	You are dumb if you need a hint						
Part 2 - A	U - E - E - E - I - H - M - R	Oops, I think I misspelt a few words!						
Part 2 - B	Australia, The straw hat	There is a word search. It is not that hard						
Part 2 - C	Victoria	Why on pg2?						
Part 2 - D	Ballarat	Which element is the 22nd prime number? And how does that element relate to a place?						
Part 2 - E	11 Globe avenue	The Fibonacci sequence is a sequence of numbers that starts with one and each time adds the last number in the sequence.						

To whoever is receiving this message...

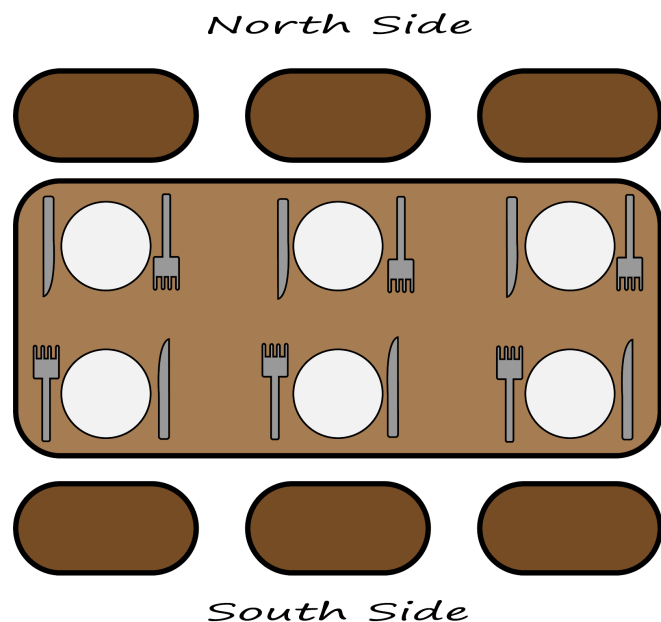
This message was intended for an elite group of specialized detectives. If this description does not fit you, you will not be allowed access to this information. To ensure that you are who I think you are and not someone who has hacked this message, I have included a problem-solving-based challenge that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

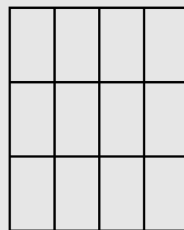
Footage Found of Jennifer Wilson Murder



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

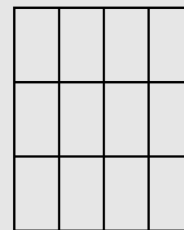
How many quadrilaterals
are in this image?



There is
54
quadrilaterals

Wiggins

How many quadrilaterals
are in this image?

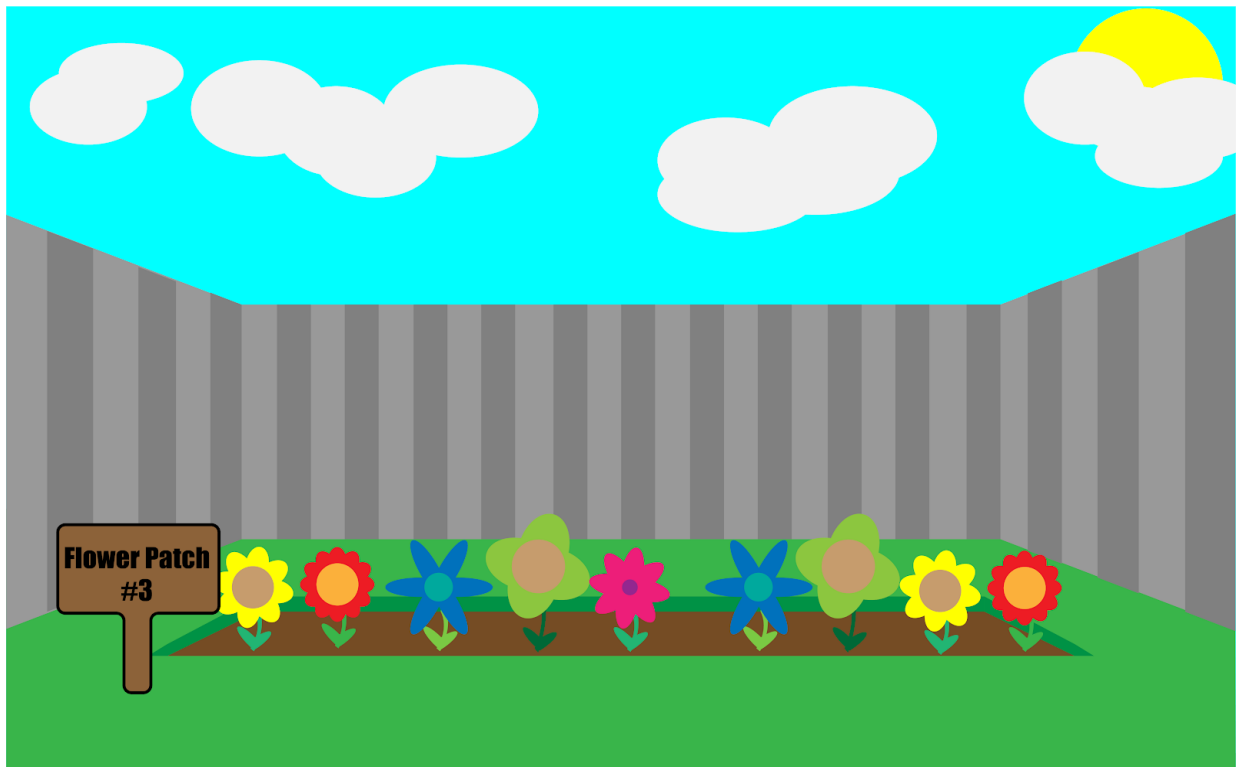


There is
60
quadrilaterals

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

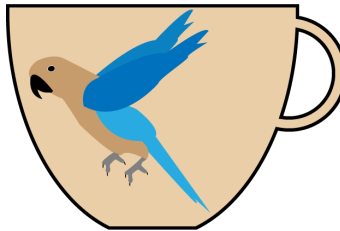
From Michael,

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

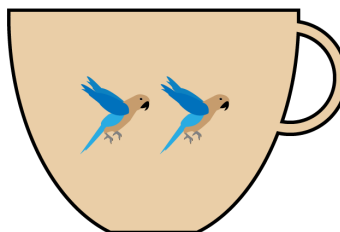
Arthurs Cup



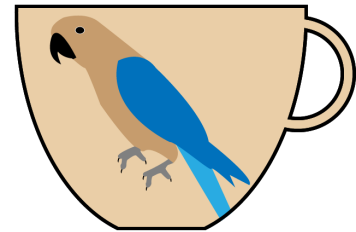
Wiggins Cup



Marys Cup



Hamishs Cup



llaamaaaaaaazzzz!!!!!!!

From Alistair Smith,

If you are the detective I wish to send these messages to, you will be able to decode this message. Please enter the 8-digit code that is hidden inside this message.

A short history of Llamas

Llamas were formed and molded by evolution over the millions of years to thrive at 3,500 to 4,000 metres above sea level. As a result, they are a strong, durable & low maintenance animal. The llama is related to the domestic alpaca as well as others. Llamas were raised for meat and much later became wool producers, together with their cousin, the alpaca. It is estimated that llamas were used to carry wool textiles to the coast approximately 2500 years ago. Certain cultures, who had not yet discovered the wheel, relied upon the llama to carry trade goods, produce and military supplies throughout the empire.

Please insert the 8-letter code here;

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Hidden Hats

From Alistair Smith,

We have heard from Arthur's English neighbours that he travels a lot and has a collection of hats. Part of this collection has hats from all over the world. There are five of these: an Indian fez, an American stetson, a Mexican sombrero, an Australian straw hat & a French beret. One of these hats was taken with him to the place where he is now. He has hidden the hats in a secret location and has left himself a secret message to find them if he ever returns. From what we found, the riddle is in the form of a word search. We have provided this and we and you to decode it.

Y P L K H P I L C R Q J B M H Z E F J T P T K H
T T F N O V I S N G L U S K Z H M B J X V K C Z
T R F I Y C N L O U U G U M R Q I G C G D V M K
D C M V H Q C O T C E E H B W W T Q R J O N V D
H L C E H K A G D S J Y X N H U C I Y H I H K O
N Z N R W H M A D F N O S T E T S J A Q T X K R
J N U N U F I V L X M O F E X V W C W J R Z V G
J X W V Y Q K L W M Z R C R Y K A O G U M X T D
O W R X O D E H N K C F T E Q C L A I K D Q L W
N W Z N Z L N G Y E U P A B K N F V D U F U C N
S B I Y J D R W Y U C F N V O E S C A T W N V H
J T V W E Z I P U I G B F T A Y P M M E N S Z Z
U Z K D X N M I O H T X Q S V P A U R E P X Z N
T J X T U Z P U P N G D F Q K U I N U U O M L Z
R F J O U Q X A V Q V L H Z E S T X Y J I J F Z
E L X T O Z P A S S L V W D C I X Z A X J H Q N
L O D L O T I W X F V P I L X A C L F D K V P U
S X N H P Y I Q S M E O S U Y I C N Y S S R C B
B O W R L U V K L T D A F U O L U K Y X T I N E
C L E X Y C H V E T K H T J U H P Z D R N V N K
W B L K R V B Q A N Q M G C C V C S T Q J Z M Y
M V E E F U H M E O N X I G T L S Q T V V U T D
C V E I T K Q U R P X C U F P X D W H U R G Z A
V U W Y P C J U W F Z F O R E R B M O S Z O W N

Lost letters

From Alistair Smith,

Now that you know Arthur is in Australia, we have to locate the state/territory he is currently in. As you know, the states are: New South Wales (NSW), Victoria (Vic), Tasmania (Tas), Queensland (Qld), South Australia (SA), Western Australia (WA); and the territories are: Northern Territory (NT) & the Australian Capital Territory (ACT). We found this in his diary where he kept the crossword.

Page 2

44, 18, 6, 40, 30, 36, 18, 2

The Elements of Victoria.

From Alistair Smith,

The cities Arthur has been to previously, in Victoria include Melbourne, Ballarat, Geelong, Hawthorn, Port Fairy and Warrnambool. We have talked to air flight companies to see if Arthur has been on any number of their flights into Victoria. We have been told that *EasyJet* has transported him to one of these cities. Still, they told us this relating it to these images:

He went to <the 22nd prime number>

The periodic Table & prime numbers

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

[illegible]

Searching Ballarat

From Alistair Smith,

Our men have questioned locals in Ballarat. These ‘beneficial’ people said this;

- Larry: ‘He was certainly not between houses 1 & 7’
- Barry: ‘He was not on theory street’
- Garry: ‘His house number was not in the Fibonacci sequence’*
- Harry: ‘He either lived at an even number, or he was on globe avenue’
- Darry: ‘He couldn’t be between the numbers 10 and 4’
- Phil: ‘He was on globe avenue’

This is Ballarat

Theory Street

1

2

3

4

5

6

7

8

9

10

11

12

13

14

14

13

12

11

10

9

8

7

6

5

4

3

2

1

Globe Avenue