Puzzles & Tasks

Order of Activities:

- Puzzle
- Task/Photograpgh

Puzzles

In this booklet.

Tasks

We have now introduced tasks into puzzle layouts. Initial user experience testing revealed that simply going to a location was too boring, so now at certain locations you will be asked to do a "task"; examples are counting the number of lampposts on a street, or reading an inscription on a monument. Once you have messaged organisers with the answer to a puzzle, if the badges indicate this is needed, you will receive your task.

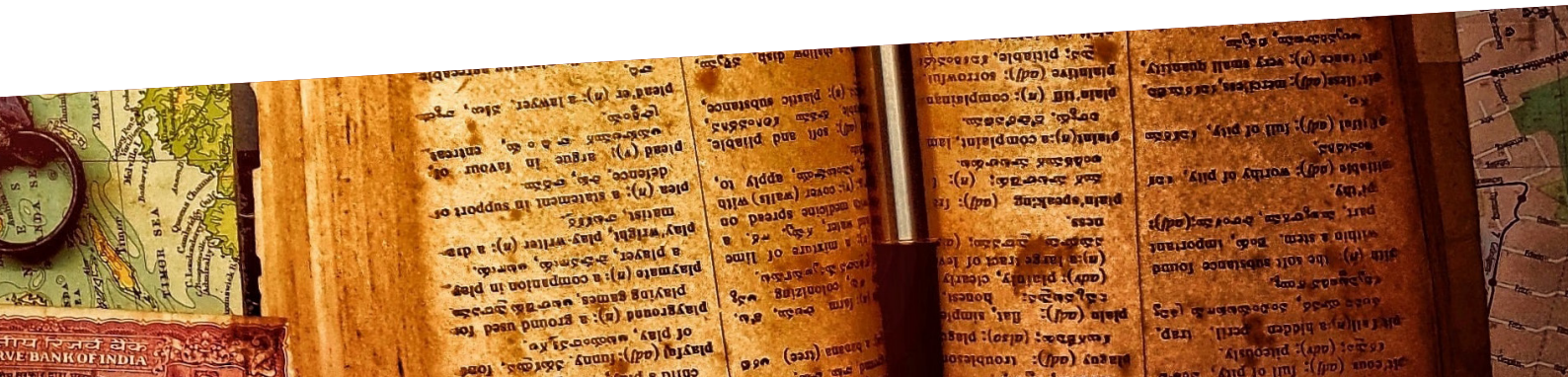
Photographs

At all locations, unless you have met with and been ticked off by an organiser, you will need to take a photograph of team members at the location as proof to organisers that you have been there. The photograph must be easily recognisable as the required location, and must fit within the following guidelines:

- Photograph may have one team member missing from it to be a photographer but otherwise must contain all members of a group/ team to verify it as an original photo
- The photograph must contain something specific to the place.
    - If possible, a street sign or shop sign is preferred
    - If not possible, participants should search for other notable features of the location to photograph
    - If a photograph is considered insufficient, the team will be informed and will have to continue to provide photographs until one is deemed suitable

Although it is not essential, it is suggested that teams send through their photographs and task answers to organisers as they finish them, as it will speed up the marking process at the end of the day and will give teams the opportunity to retake photos if they are unsuitable.

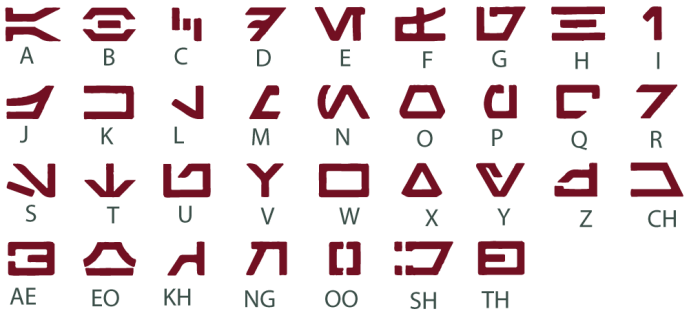
NOTE that even if you complete a task at a location, you must also provide a photograph.



Puzzle Information

Use the Following to help with the Puzzles

Galactic Basic



Sir Samuel Way building	Virtual reality Adelaide	National Wine centre	Samstag museum of Art	Senna Chicane	The Jade	Barkuma	Moonlight cinema Adelaide
Adelaide Fringe inc.	North Adelaide primary school	Palm House	Patch theatre	Max Hunt Magic	Rundle Mall	Railway adelaide	Regent arcade
The garden of Unearthly delights	Soul 365	Bush magic playground	Adelaide Zoo	Dom Polski centre	City Dirt	Olympic Bingo Adelaide	Royal Adelaide hospital
British hotel	Century 21	Logitrain	Fyfe	Jam factory	Elder Park	Blackeby's	Adelaide art society
Encounter youth	The Arts Theatre	Twee climb	SAPOL	Simple weddings	Adelaide Arcade	Adelaide youth court	Mercury cinema
Palace Nova eastend cinemas	Rymill park	Chinatown Adelaide	SA health	Banque Bar	ThincLab	Australian Lutheran College	Lion Arts factory
Encounter youth	Migration solutions	The Mill	Minor works building	Queen's theatre	Friend's Gate	Belly Baby beyond	Green industries SA
Adelaide town hall	Deceased worker's memorial	This is Real	Bakehouse theatre	Anjnas College	SACE	Elder Hall	Blue crystal solutions

Badges

Puzzles are being composed to fit under five levels of travel time. And a whole range of badges.

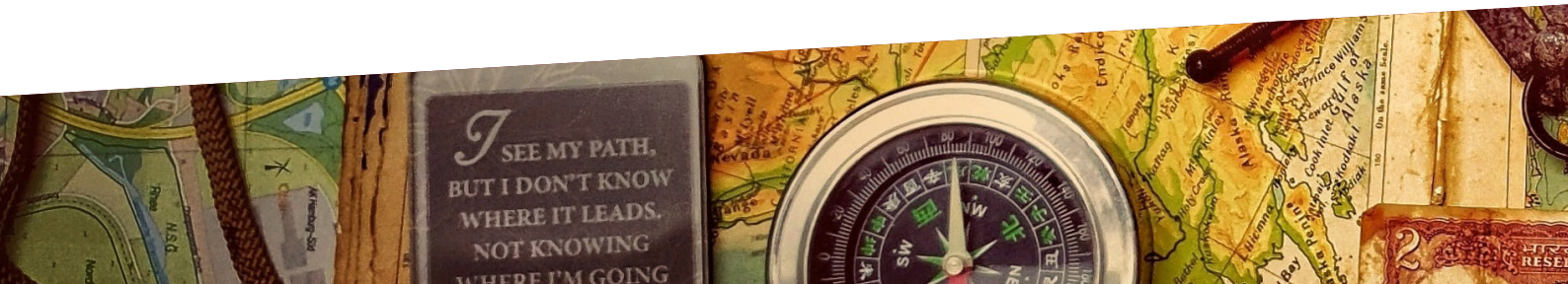
VERY CLOSE

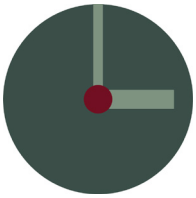
CLOSE

SOME WAY AWAY

A WHILE AWAY

A MILLIONS SUNS WLL BE BORN AND WILL DIE BEFORE YOU REACH YOUR LOCATION



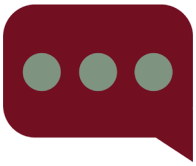


TIME-CONSTRAINED

The object or keyword will only be available to obtain at the location between set times

MATHEMATICAL

The puzzle has roots in maths

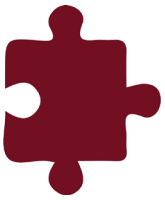


MESSAGE SOLUTION

The solution is not a location, but must be messaged to organisers who will then provide participants with the location

LOGIC

Participants must use logical and linear thinking in order to solve



SITTING AT THE TABLE

Also known as Zebra Puzzles. Finding more information based on some clues given

CLUES

A riddle that yields information

PHYSICAL

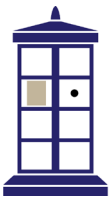
The puzzles are physical objects that yield information

CHESS

Finding checkmate in one move

REFERENCES

The puzzle is based on a reference to a show/book.



HUMAN INTERACTION

Participants must obtain their keywords from an organiser, who can be identified as wearing a Relay for Life shirt.

Organisers may not be immediately obvious to participants, as they may be in a nearby cafe, sitting in a car outside, or sitting within a venue. If participants believe they have searched thoroughly for an organiser but cannot find one, they should message an organiser.

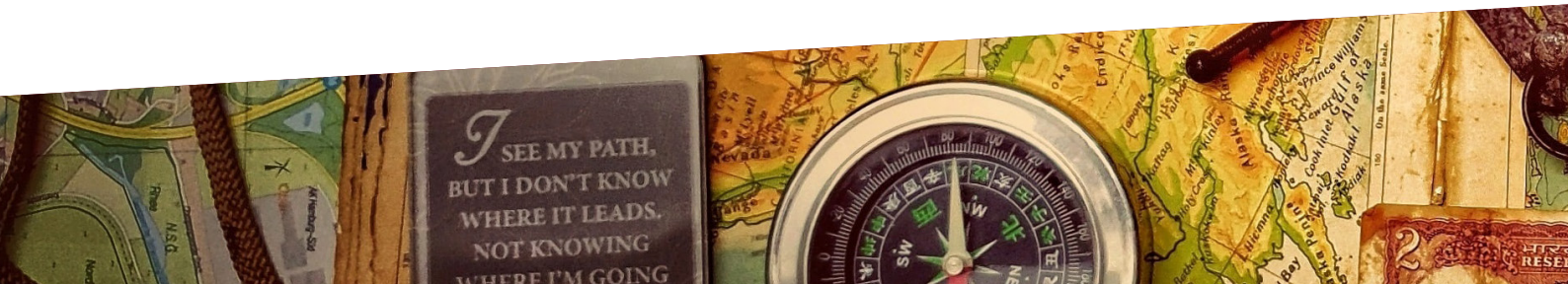
Puzzles

No.	Pts	EXAMPLE	BADGES
Example			

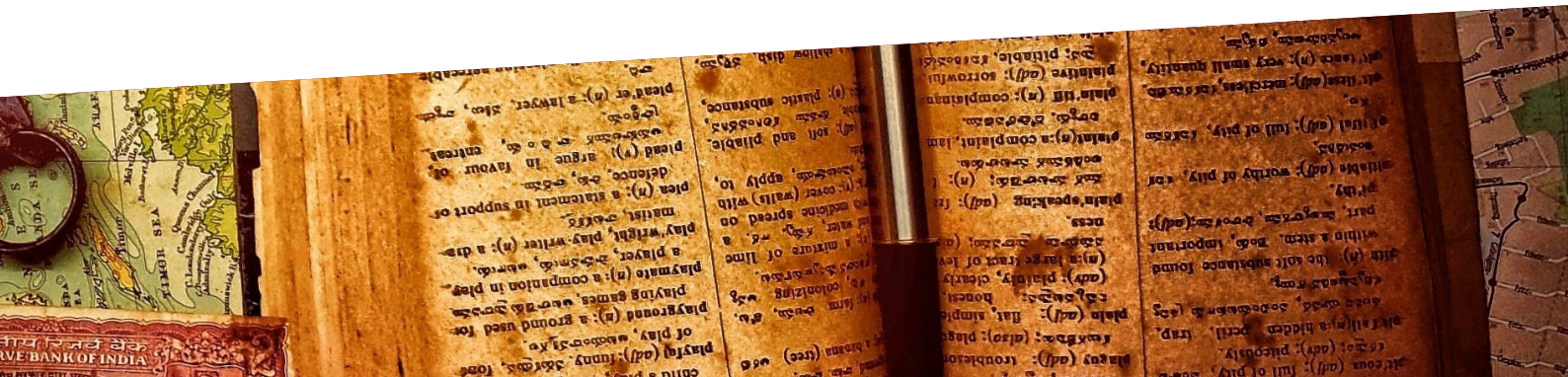
0	50 Each	Get Going Clues	

So that you don't have to sit around for ages solving puzzles, here are some simple clues that will get you started. Solving each clue is worth 50 points, and evidence is to be sent as usual to organisers as a photograph, which must follow regular guidelines.

- Which terrace is named after the best doctor who companion?
- What street shares the name of an automotive manufacturer founded by Rob Dennis?
- Which street runs off Hurtle Square and is named after the head of the Catholic Church?
- What street shares a name with the Doctor's alias?
- What street has a similar name to that of the most forgettable Doctor Who episode?
- What street is named after the best doctor (from Doctor Who)? (hint: it is located within the CBD)
- What street shares a name with our current queen?



1	190	Hidden in Plain Sight	



Puzzles

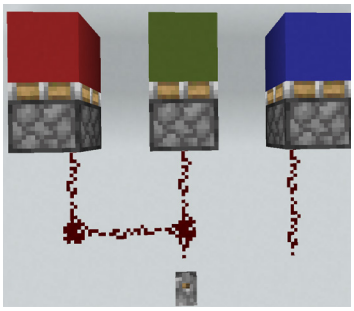
2	210	Colourful Houses	=09:00-11:00

In this puzzle, there are four houses, lined up on one side of the street. Each house is a different colour. The following clues will allow you to line up the houses from left (1) to right (4).

Identify the position of the green coloured house.

- The blue coloured house is next to the red coloured house but not next to the green coloured house
- The red coloured house is next to the orange coloured house
- The green coloured house is directly before the orange coloured house

3	220	Redstone Power	



In the above, the lever is turned off. If the lever was to be switched on, which colours would be in the extended position?

4	240	Optimus Prime	Σθ

2, 3, 5, 7, 11, ___

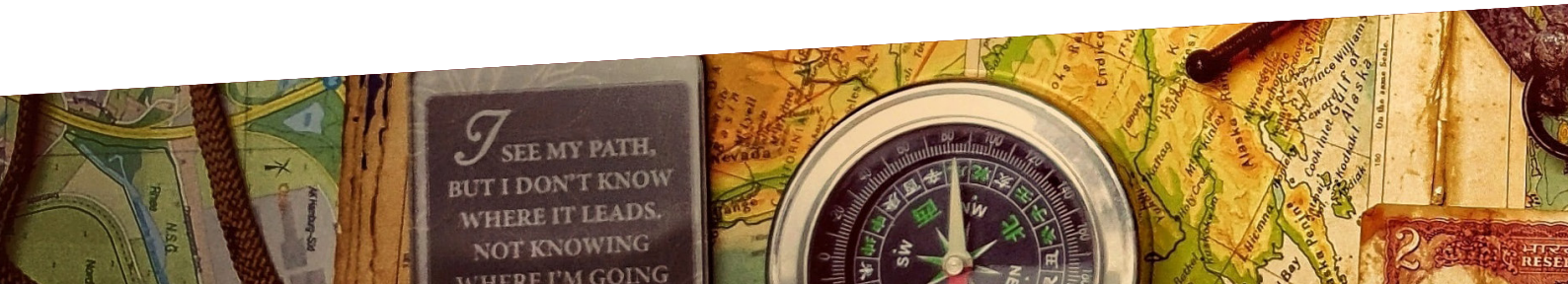
5	250	Moriarty's Clue	

"Richard Brook Falls"

6	320	Riddle	=09:30-11:30

I can be 12 hours late but still be right on time.

What am I?



7	330	Sports!!!! (Ew)	

From the following lyrics, head to a related location

"[...] We're courageous, stronger, and faster
And respected by our foes
Admiration of the nation
Our determination shows. [...]"

8	330	Galactic Basic (for Pam)	

9	340	Grambit	

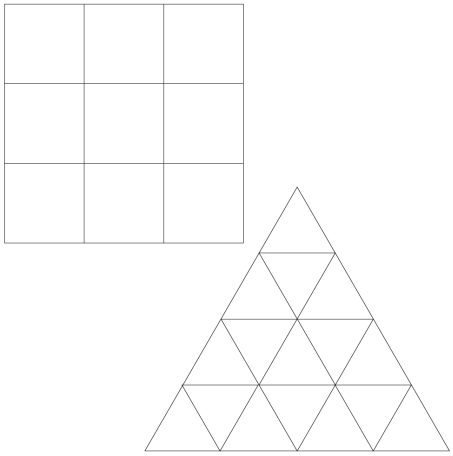
It is known that there are an infinite nuber of worlds, simply becuse there is an infinite amount of space for them to be in. However, not every one of them is inhabited. Therefore, there must be a finite number of inhabited words. Any finite number divided by infinity is as near to nothing as makes no odds, so the average popuation of all the planets in the Univere can e said to be zero. From this it follows tht the popuation of the whole Universe is aso zero, and that any people you may meet from time to time are merely the product of a deranged imagination.

10	340	Satan's Riddle	

You shall find what you search for, my friend,
When the Antichrist's street is at its end.

Puzzles

11	350	Shapes	Σθ



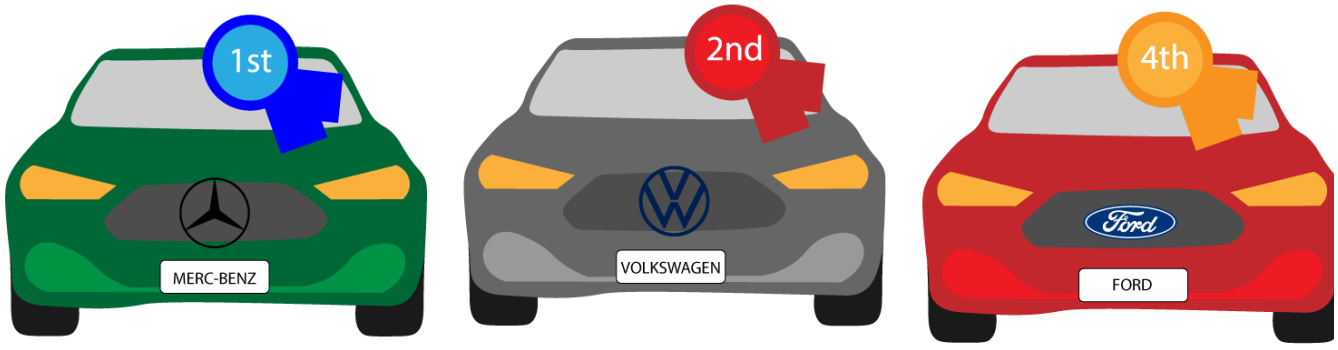
Count the quadrilaterals in shape 1

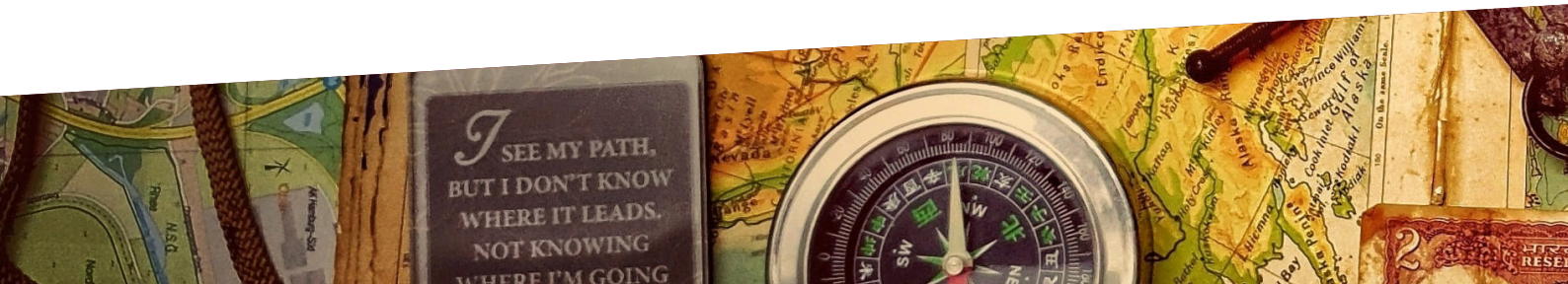
Count the triangles in shape 2

Add the totals

12	360	Broom Broom	

Find a hidden location from the image





13	370	The Library	

River is arranging some books on a bookshelf as a favour to the Librarian of the Unseen University. These books are very powerful works of magic, so she must ensure she puts them in the right order to ensure the continual operation of causality and suchlike. So no pressure.

She had difficulty understanding the Librarian's garbled "ook"s, and as he has now gone to eat a banana under his desk, she won't be able to get any clarification from him for a while.

She managed to gather the following:

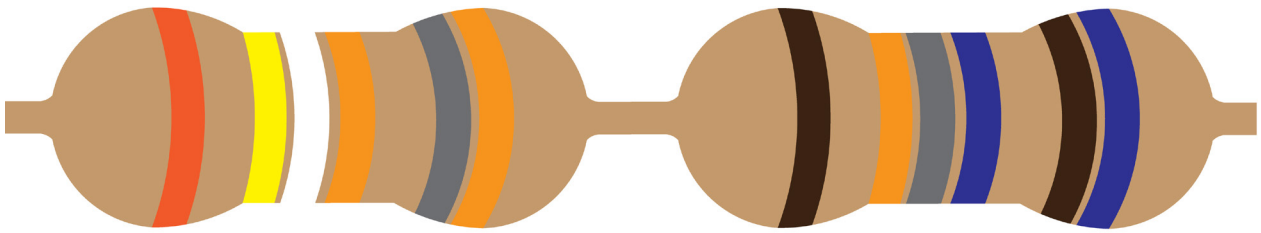
- The Necrotemnicolinon must be in the middle
- The book with the blue cover must go in between the brown book and the white book (although not immediately)
- The Medusa Cascade must be next to the book with the brown cover
- The Eye of Samarkand must come first
- The Silmarillion is white
- The green book comes before the red book, but is not next to it
- The Octavo must be put somewhere on the shelf

In what order should she shelve the books, and what colour cover does each book have? If you screw up, you could end up imploding this universe in on itself. Just so you know. Oh, and watch out for Vashta Nerada.

14	375	I Can't Resist You	Σθ =09:30-11:30

These resistors are different to other resistors. They do not have multiplier bands or tolerance bands. There is a decimal place somewhere in the numbers they yield but it is up to you to figure out where.

The first resistor is also negative.

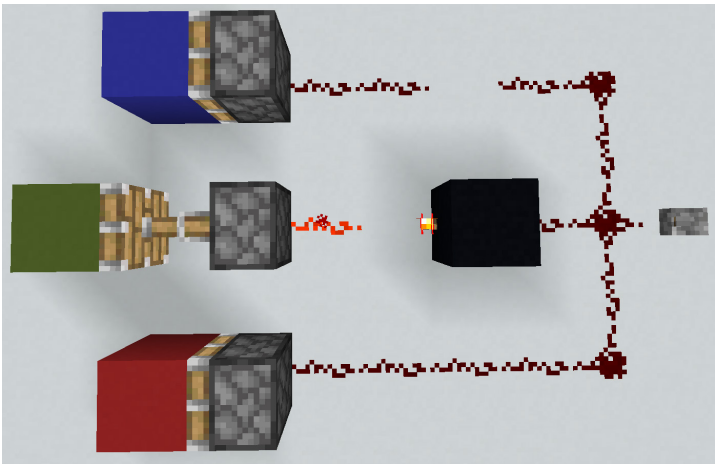


Puzzles

15	380	Chess Conundrum	

White to move, checkmate in one

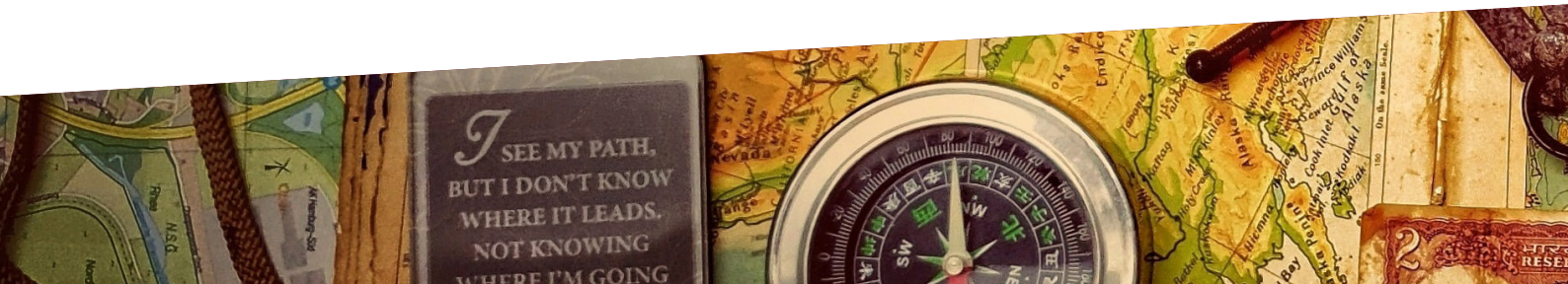
16	380	Redestone Trouble	=13:30-15:00



The lever is currently off. If turned on, which blocks will be in the extended position?

17	390	Wood	Σθ

log(100) st, Bowden



18	400	Lost	=14:00-15:00

Five people have gotten lost on a trip to the city. Their names are Ryan, Amelia, Molly, Ben, and Alex. They each have a different age; either 9, 12, 15, 21 or 25. They are each wearing a different coloured beanie; black, white, green, blue, or yellow.

They are each standing in one of the five major squares across the city. Below is a transcript of their chat, although no-one seems to be being particularly helpful...

A: Ryan, where are you? I'm in Hindmarsh square.

B: I'm southwest of you.

C: So am I.

D: Everyone, take a look around. What can you see?

C: Even from here, I can see Ryan's ridiculously bright yellow beanie. Seriously, that thing's a public hazard.

A: We can all see Ryan's beanie, Molly. Hey, why don't we all just meet up where I am. There's a golf course just across the road.

E: Come on, that's preposterous. That's so far away from Molly, and we don't want a little kid travelling so far on public transport by herself. Why don't we all go meet up with her?

C: I'm not little!!

E: You're the youngest one here. And also extremely short. Like depressingly short. I can see the top of your head. At least your beanie is pretty. I love green.

D: The teenage edgelord finally talking some sense for once. Speaking of, are you sure you won't trade beanies, Alex? A splash of colour would do you good. At least dark blue isn't too garish or anything.

E: No thanks, Amelia, but I'd rather not.

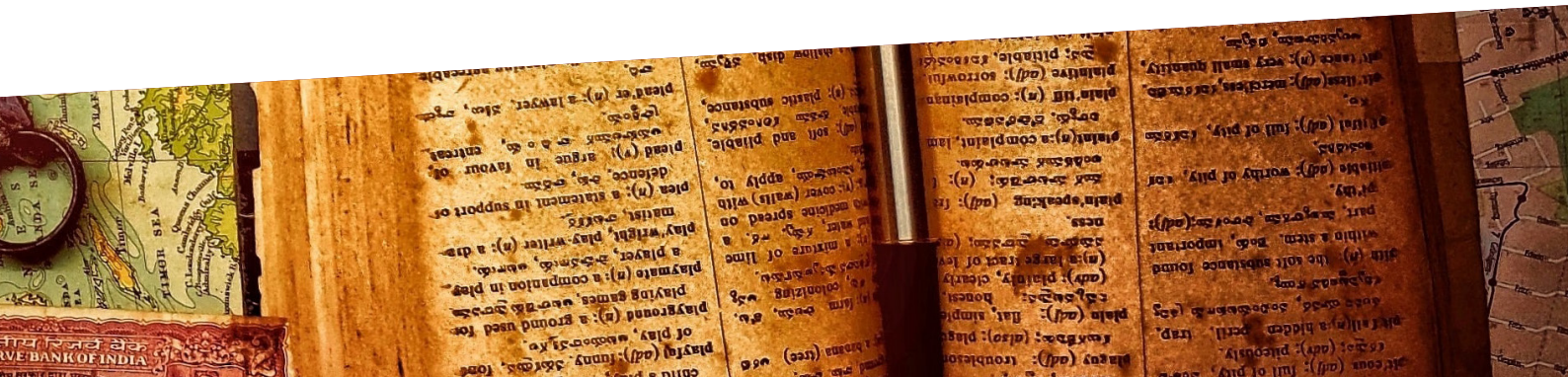
A: Well, as Ryan and I are the two adults,

D: Speaking of colour, you could use some yourself. A white beanie? How boring.

A: ...as I was saying, I suggest we go and collect all you minors. Ryan can go stay with Molly, as he's closer to her, and I will go and get the 12 year old from Light square before joining Alex. Can you and Molly meet me there, Ryan?

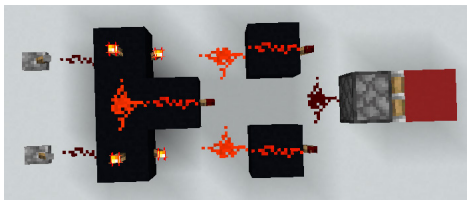
B: Can do.

In which square is Alex standing, and will therefore be the meeting spot of the gang?



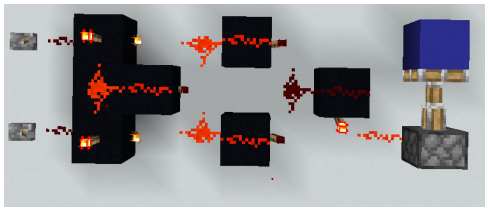
Puzzles

19	400	Redstone Logic	



In Part A, both levers are turned off. If one of them is turned on, so that the two are alternating, which position will the red block be in?

- Extended
- Retracted



In Part B, both levers are turned off. If one of them is turned on, so that the two are alternating, which position will the blue block be in?

- Extended
- Retracted

20	405	Some Numbers	

1

11

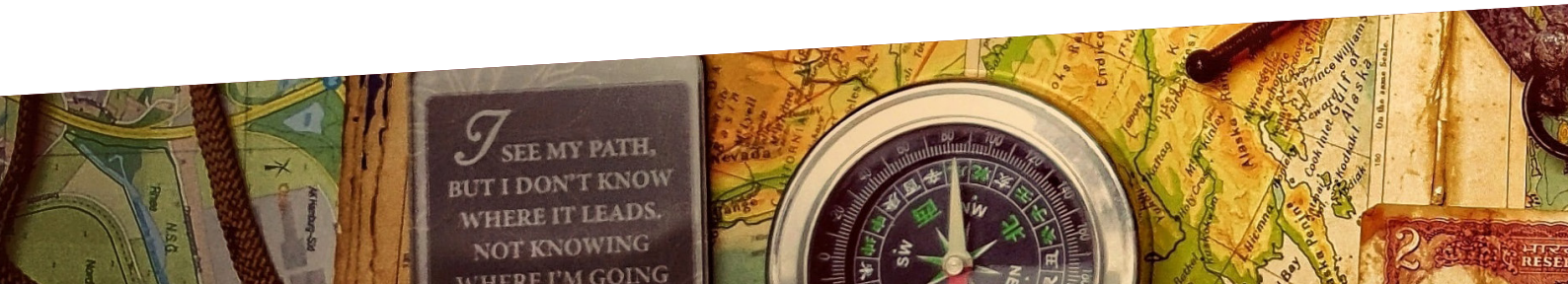
21

12 11

11 12 21

31 22 12

?



21	415	TARDIS Fam Fight	Σθ =12:00-13:30 (Snacks will be provided here)

Rose, Jackie and Jack are arguing about where to go for lunch. Rose wants to go to Villa 77 for tapas, whereas Jackie wants to go to the Hungry Jacks on Rundle Mall, because she's a "Hungry Jack". Jack says that he doesn't want to go out to lunch, but that they should eat their sandwiches in Victoria square.

Eventually, they reach a compromise. They each take their hats off, and they fill the hats with little bits of paper, each person writing the name of the place they want to go on each scrap.

- Jack puts 22 pieces of paper with the words "Victoria Square" on them inside his hat.
- Jackie puts 65 pieces of paper with the words "Hungry Jacks" inside her hat.
- Rose has put 41 pieces of paper with the words "Villa 77" inside her hat.

The three then begin a process to determine where they will go for lunch. The two people who have the most pieces of paper in their hats will each remove one piece of paper, and the person with the fewest pieces of paper will add one piece of paper to their hat.

For example, if Rose had 5 pieces of paper, Jack had 8 and Jackie had 3, at the end of the process they would have 4, 7, and 4 respectively. If two people have the same number of pieces the hat is chosen at random between those two.

The process repeats over and over until there is only one piece of paper left, and they will go to lunch wherever is written on the piece of paper. Where will they be going to lunch?

22	455	Mathy (2x Ew)	Σθ

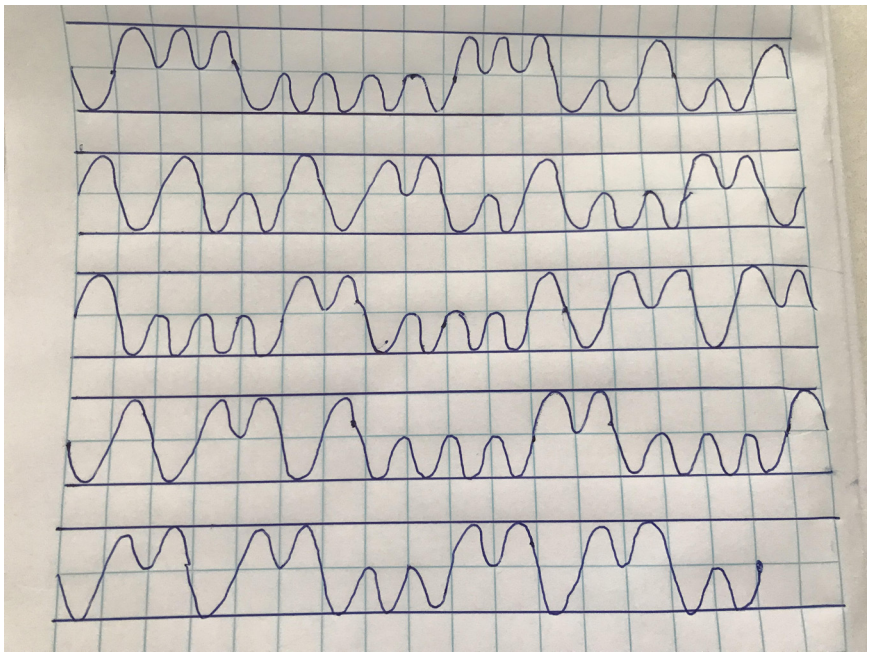
x^2 - 103.66824x - 4640.438314 = 0

Solve the equation or be exterminated!

The two possible routes (answers) will give you co-ordiantes.

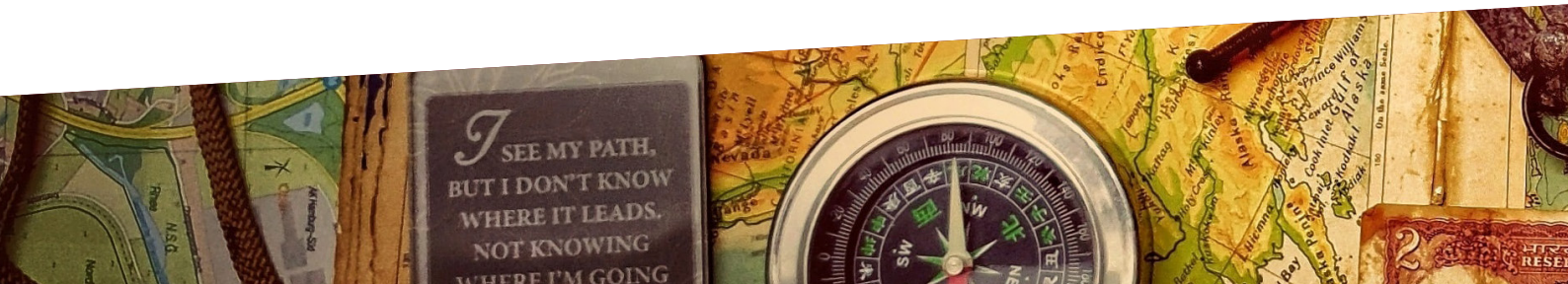
Puzzles

23	460	Wavy	Σθ =11:15-13:15



24	480	Chess Conundrum	

White to move, checkmate in one



25	560	Number Riddle	Σθ ?

The sum of all of my digits is the same as the number of my digits

Each digit describes the number of digits one below that - for example, the second digit describes how many 1's there are in the number

Using these constraints, what is the largest number you can make?

27	590	Word	

Below, there is a location encrypted in five letter words, and some examples of how words in the cipher can be translated into letters. Study it carefully to work out how the cipher works and decode the message.

Pizza = p	**Apple = a**
Flash = j	**Llama = l**
Dizzy = d	**Ready = r**
Young = y	**Marry = c**

Angry roman green yodel lunge every tango eager raged.

29	690	Wordy Chaos	Σθ

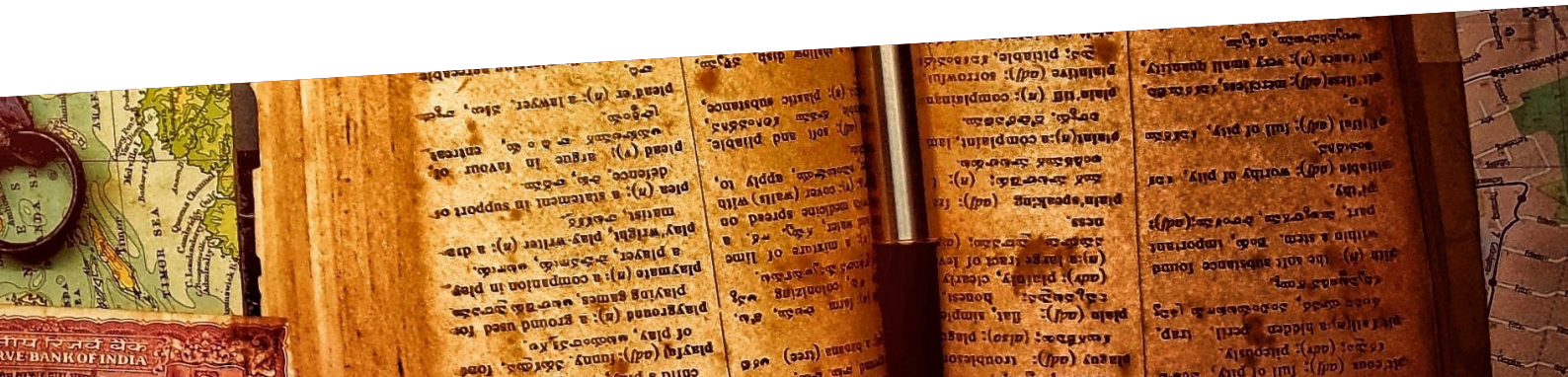
No Cassandra, we have not been possessed by the devil and started speaking in tongues. There's a hidden message. Work it out.

o THE HARE FRAYED A ACCOMMODATIONIST TO BUY DRUGS. TEN QUICK BIOLUMINESCENTLY GLOWS LIGHTS SPIFFING. I TOOK TO SMOKE A CART IS.

30	720	Cifffffer	

Below is a cipher in which each letter has been rotated through the alphabet randomly. Decode the message to reveal the location.

NU XMB MBRPX ZL PKUHCB VRCC, NU XMB RHBCRNHB RPGRHB, XMBPB ND R DVRCC DMZS GRCCBH XMB JKXXZU JRP. YZK ONCC UBBH XZ IZ XMBPB RUH PBGBNTB YZKP UBFX SKQQCB. IZZH CKGA.



Puzzles

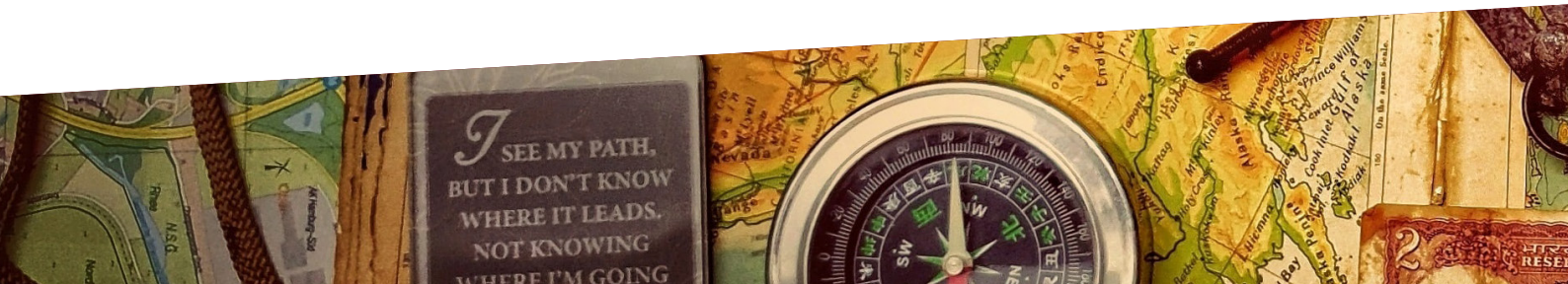
28	680	Parsec Jumps	

Information:

- 1 unit of fuel takes you 1 km
- Your vehicle can hold up to 15 units of fuel at any one time
- You can stop at each km mark to deposit fuel, or pick up fuel BUT ONLY IF YOU HAVE PREVIOUSLY DEPOSITED IT THERE
- There are 45 units of fuel at your current location, INCLUDING the 15 units currently in your tank

How far from your current location can you get with the fuel that you have? Refer to the list below:

1	Home (Victoria Square)	18	Palm house
2	Migration solutions	19	National wine centre
3	Belly baby beyond	20	Elder hall
4	Senna Chicane	21	Bunyip trail
5	Green industries SA	22	Light's vision
6	Fyfe	23	St Ann's college
7	SACE	24	British Hotel
8	Railway Adelaide	25	Pulteney Grammar
9	SA health	26	Bush magic playground
10	Regent Arcade	27	Queen's theatre
11	The Arts theatre	28	Mercury cinema
12	Adelaide fringe inc.	29	Soul 356
13	The Jade	30	Adelaide arcade
14	Rymill park	31	Moonshine laboratory
15	The Joinery	32	This is real
16	ThincLab	33	Dom Polski centre
17	The garden of unearthly delights	34	Patch theatre
		35	Adelaide Zoo



32	530	Puzzle Box	
Solve the puzzle box and use the message on the paper inside to find your next location.			

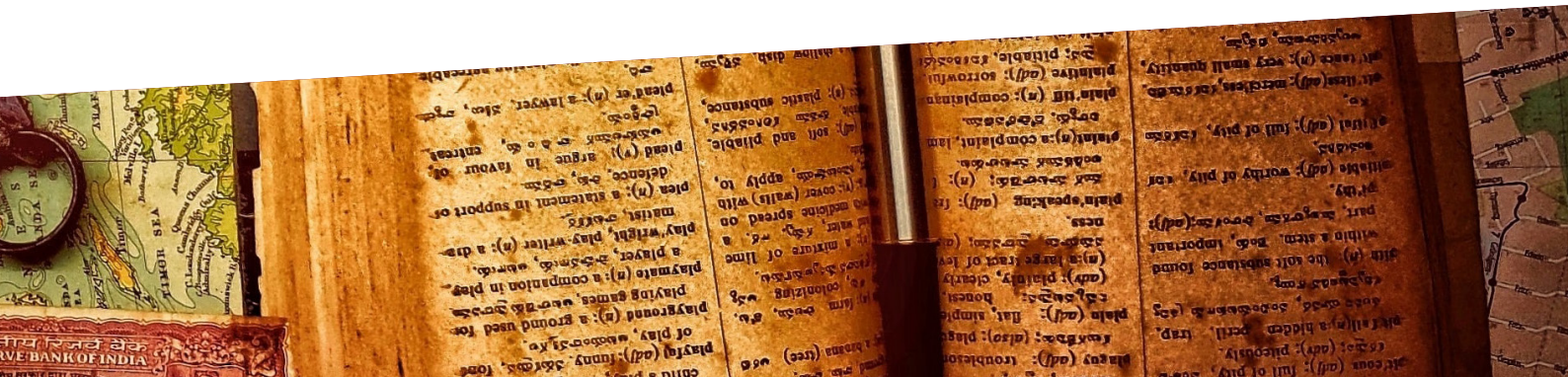
33	600	Letters	
Use the letters on the outside of the puzzle box to find a location... This locations is not exactly within the boundries. Hehe.			

34	640	Wise words from Arthur	

Harold, you might have to use your brain a bit for this one. A novel concept, I know. We can't spoon-feed you the answer, have you seen how many points this one is worth? Get your head on straight, man.

Use the already solved puzzle box (assuimng you've done puzzle 32) and the information below to unscramble the text and find the location:

- "ghwh chaxbon mgkgkbtt"
- "Ford, you're turning into a penguin. Stop it."



Puzzles

26	580	Downing St.	

Downing is a famous street as it is where the British Prime Minister lives whilst they are in power. But there also are other people living down Downing Street.

Bob, Jim, Greg, Susie, and Larry are but normal people who live along the street. They neighbour each other on the same side of the road. Find the order of their houses from left to right based on the house color, window shape, residents, pet, and dining meal.

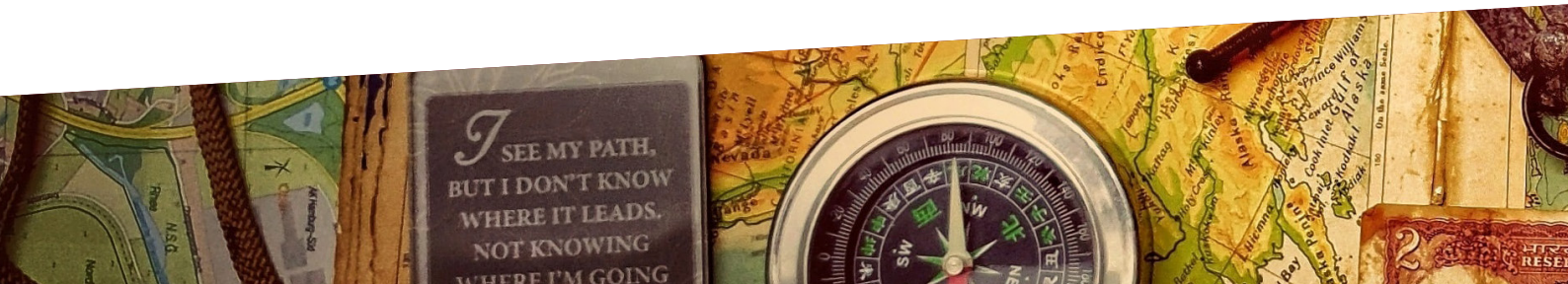
Goal

Try to find the person having lamb roast for dinner.

Details

- Order - 1-5
- Colour - red, blue, green, yellow, white
- Shape of windows - square, triangle, circle, hexagon, octagon
- Person living inside - Larry, Bob, Jim, Greg and Susie
- Pet - fish, horse, cat, dog, frog
- Dinner food - lamb roast, pizza, chips, noodles, steak.

Please note that no, you DO NOT have to find all the values, so please, do not call us saying "I don't know which house is having chips" WE KNOW YOU DON'T KNOW THAT STEPHANIE WE WROTE THE DAMN PUZZLE. Thank you.



Clues

- The house with the green walls has circular windows
- The horse lives next to the house with the green walls
- The house with the square windows is not next to the house with triangle windows
- Bob lives next to Jim but not next to Greg
- Greg lives in the third house
- The house with triangle windows is next to the house with the horse as the pet
- Jim has circular windows
- John's house is either fourth or fifth (there's a better way of wording it but idk how to)
- The house with octagonal windows is inhabited by Susie, who likes frogs
- Bob has a dog
- The house with the red walls is home to a cat
- The person having pizza for dinner lives next to the fish but not next to the cat
- The house having chips is next to the house with white walls
- The person having chips doesn't live next to the person having lamb roast.
- The house with octagonal windows has white walls