Helensburgh Puzzle Trail

The Helensburgh Puzzle trail is a series of 36 caches found just off the road around Helensburgh, Stanwell Tops and Otford. It is roughly a 10 kilometre trip which makes for a nice cycling or walking trip.

All containers are placed at T2 or below. All containers are bison tubes, pill bottles, small containers and large containers.

By Bicycle
- Please do the trail **counter clockwise** as the containers will all be on your **left hand side** and you won't have to cross the road.
- Park your bike in a safe place. It's better to walk 20 meters back than to lose your bike.

By Foot
- Please do the trail **clockwise** so you can see the oncoming traffic. The containers will all be on your r**ight hand side**.

By Car
- **Do not park your vehicle in unsafe places!** From Stanwell Tops to Bald Hill there are limited parking opportunities at the entrances to the forest. From Bald Hill to Otford there are no parking spaces on the road. It's recommend that you park the car at Bald Hill or Otford and walk the other way.

Surrounds & Facilities
- There **limited or no phone reception** at the bottom of Otford. Make sure your geocaching app works without reception.
- The trail takes you over a normal asphalted road which travels through forested areas. You might see kangaroos - they will most likely run away from you; or snakes - they will most likely slither away; or spiders - whose web you most likely just ran into. If you need medical attention because of a bite, call 000.
- Helensburgh has a full set of shops and cafes.
- Bald Hill has a cafe, water taps and toilets.

Elevation profile
If you start at Helensburgh Cemetery and go counter clockwise, it will look like this:

The dip at 7.5 km is Otford. The dip at 5.5 km is Bald Hill. I couldn't cycle up from Otford, so I walked. I don't expect anybody to cycle that part.

As usual: Put the containers back the way you found them. If there are issues please do let me know via email (geocaching@mavetju.org) or via geocaching.com messages.

Version 2017-05-29.1

#	Coordinates	Hint	Found at
1		Behind big tree	
2		Under bus stop	
3		Guard rail	
4		60/80 sign	
5		Between rock and tree	
6		Guard rail	
7		Pile of rocks	
8		Pile of sticks	
9		Rock wall	
10		Back of signs	
11		Under rocks	
12		Rocks behind pole	
13		In tree	
14		In tree stump	
15		Behind the tree	
16		In tree stump	
17		Under bus stop	
18		Under rocks	
19		Behind pole	
20		Inside pole	
21		Behind pole	
22		Under rock	
23		In trunk	
24		Under concrete	
25		50/60 sign	
26		Behind sign	
27		Behind tree	
28		Inside trees	
29		Behind sign	
30		Behind tree	
31		Guard rail	
32		Under fence	
33		Fork of tree	
34		Behind tree	
35		Under tree	
36			

Puzzle 1: Caeser I

Okqpd pdenpu bkqn zacnaao psahra zkp bera dqjznaz wjz pdenpu bkqn.

Awop kja dqjznaz wjz bebpu zacnaao bebpu aecdp zkp bera dqjznaz wjz pdenpu psk.

Puzzle 2: Caeser II

bjglg evugq anqre qahuk vfgbq gutvr lgsvs frret

rqlgs vsqan qreqa hurab gfnrr avalg evugq anqre

qahuk vfgbq riyrj gfrre trqeh bslge vugug hbf.

Puzzle 3: Numeral systems I

S 00100010° 00001100 . 0000001100001110 E 10010110° 00111010 . 0000001001001111
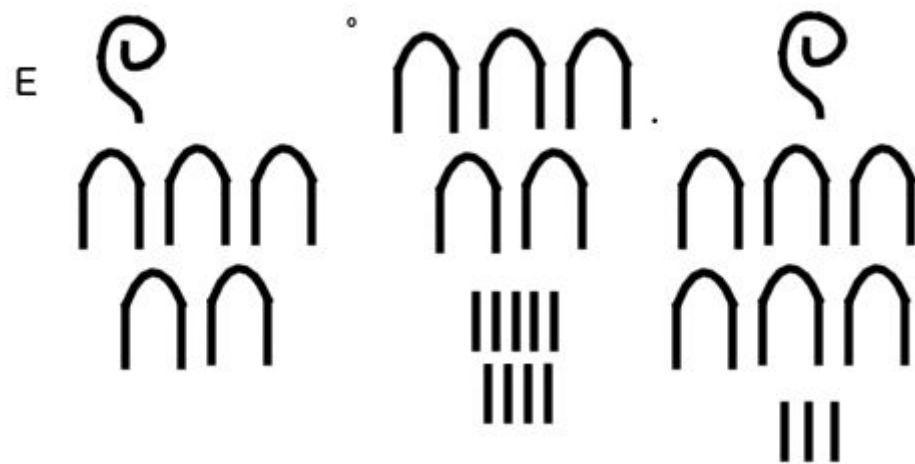
Puzzle 4: Numeral systems II

S 22° C . 3E0 E 96° 3A . 2A4

Puzzle 5: Numeral systems III
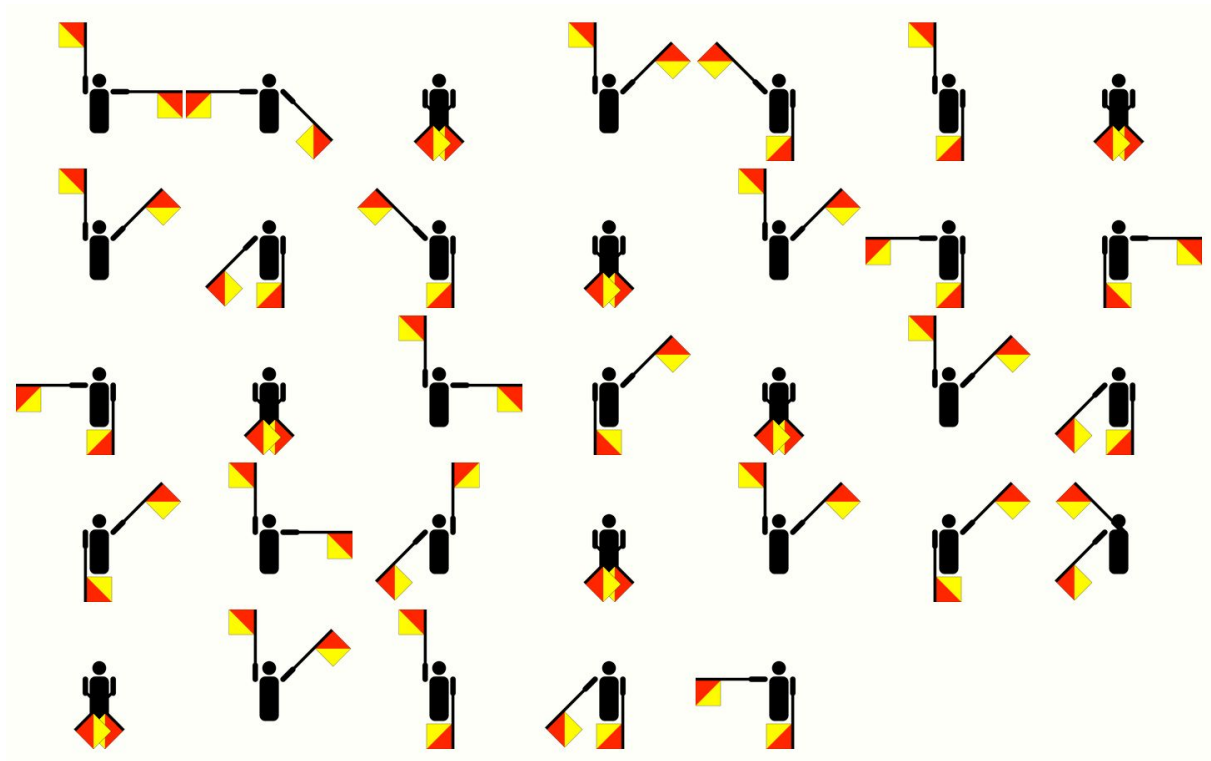
S XXXIV° XIII . CXI E CL° LVIII . DCCXLVIII

Puzzle 6: Numeral systems IV
(image updated on 2017-05-29 15:00)

Puzzle 7: Numeral systems V
(image updated on 2017-05-29 15:00)

Puzzle 8: Codes I

Puzzle 9: Codes II

... / ...-- ....- / .---- ...-- .-.-.- ...-- ----- .---- / . / .---- ..... ----- / ..... ----. .-.-.- -.... ----- ...--
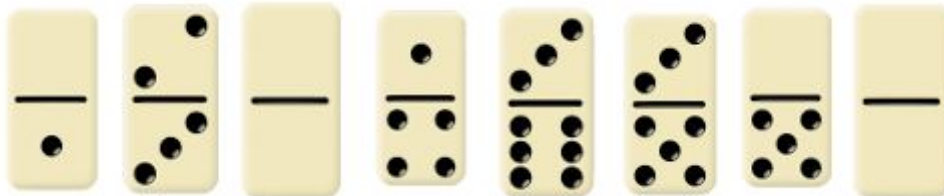
Puzzle 10: Codes III
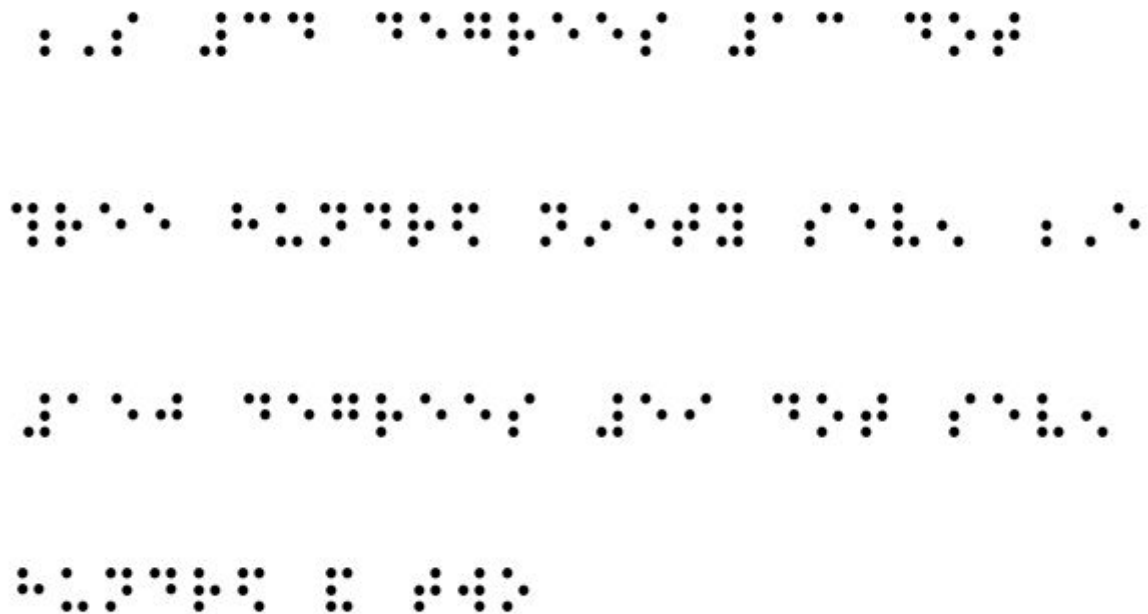
Puzzle 11: Ciphers I
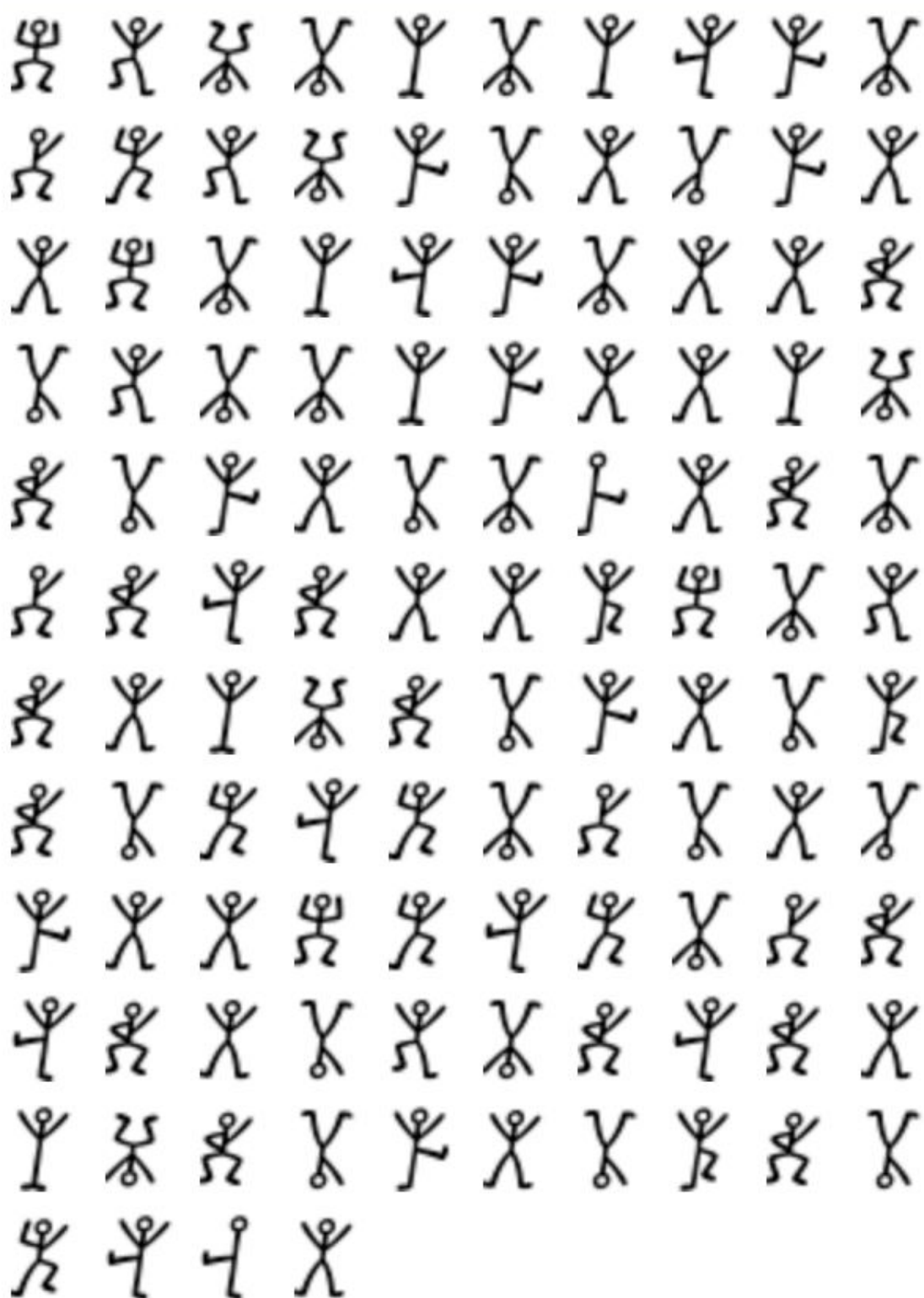
Puzzle 13: Puzzle I

Puzzle 14: Puzzle II

Puzzle 15: Puzzle III
S #$° !@.(%* E !%)° %(.&*)

Puzzle 16: Tables I
South Se° Mg.OPr East H Sn° BF.PoBe

Puzzle 17: Tables II
S (2 digits at 86)° (2 digits at 148).(3 digits at 622) E (3 at 1,114)° (2 digits at 4).(3 digits at 55)

Puzzle 18: Puzzle IV

Puzzle 19: Words I

The worst thing which can happen is that the container is missing. Lots of time is spend on searching but nothing is found. I know the feeling, it's horrible. It should be there, but it cannot be found. Assume for now that it isn't really there. For etiquette you should log it as "not found", but if you are not the first to not find it you could also log it as "needs maintenance". (Overall I log every attempt to find a container, so my list of "not found" is very large). "Needs maintenance" is a way to tell the cache owner that there is something wrong.. After a timeout with no action from the cacher owner the local reviewer will archive the cache. Identical as the action from the reviewer, the cache owner can archive the cache themselves. Owners can apply afterwards for a cache to be unarchived, but that can only be done by reviewers. Common knowledge on to prevent disappointments is to make sure that the list of caches in your location device is up to date! Geo-based games can be fun, but keep in mind that about 10% of the caches will be missing.

Puzzle 20: Words II

7777666888440844777333303336668777089335558883303666803334448883307777444990777744499033277778066666330333444333899903334443338999066444663303334448883307777338883366066444663 3
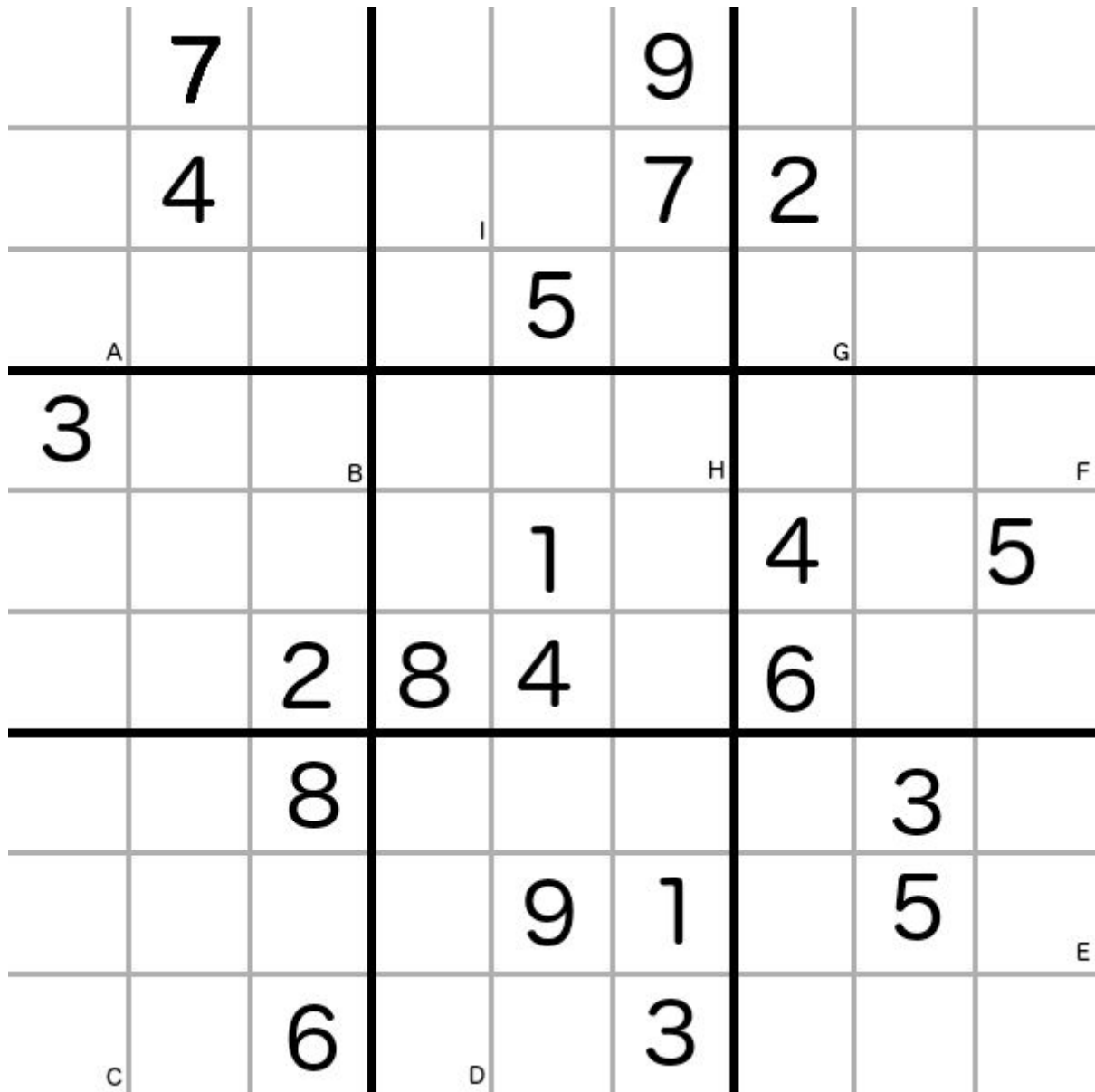
Puzzle 21: Words III

enO owT roF enin ytff yfif enO tsE
tgiE evF roF vlwT roF eerhT htS

Puzzle 22: Words IV

(text updated on 2017-05-29 22:00)
PIMP FETISH EYES JEEP PAGER JOURNALIZING LEGS
EAGLE TAROT SLUGS SITTING VICTIMIZING LINK YODEL LETTER

Puzzle 23: Puzzle V

	7			9				
	4			7	2			
			5					
3								
			1			4		5
		2	8	4		6		
		8					3	
				9	1		5	
		6			3			

A   B   C   D   E   F   G   H   I

The container can be found at: S 34° IE.(F-C)(B-G-I)H E 150° CA.(D-C)(G+I)(A-E-H-I)

Puzzle 24: Puzzle VI
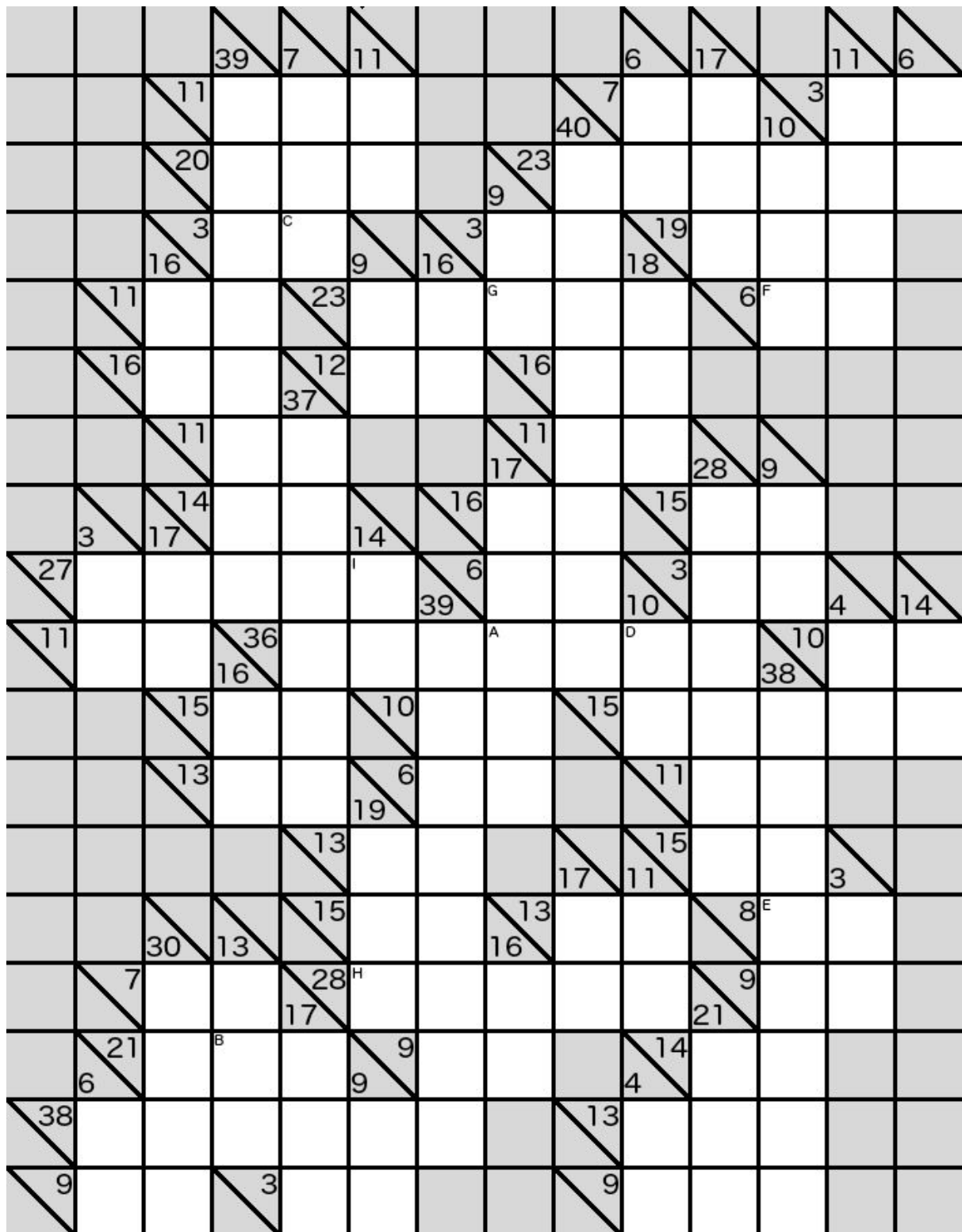
The container can be found at: S 34° FC.(A-C)(D-G)(I-C) E 150° BI.(H-C)E(E-C-A)

Puzzle 25: Puzzle VII

Column clues (top), read as stacked rows:

```
                                            1 1
        1               2                   1 1
    2       1 2 1               2           1 1
    2 10 10 2   1 1 1       2   3 5 2       1 1 5
  2 4 5 2 2   5 1 1 1 1 6 2 6   2 2 2 9 7   2 1 1 1
  1 1 2 4 2 1 2 1 8 1 1 8 8 8 1 5 7 2 7 5 0 7 1 1 4
```

Row clues (left):

```
          2 2 3 2
  3 1 1 1 5 1 1
  4 1 3 2 2 1 1
  1 2 1 1 1 5 3
    2 4 1 1 4 1
        2 1 1 2 1
        2 1 1 2 2
            2 3 5
            4 1 4
                6
            1 4
      4 3 3 3 1
  4 1 1 4 2 2 1
  2 1 1 3 2 2 4
2 1 1 3 2 2 1 1
  2 3 3 2 2 1 1
    2 1 3 2 2 4
    2 1 1 3 3
      2 3 5 1
                2
```

Puzzle 26: Maps I
(S 34° 11.891, E 150° 58.246) - (S 34° 11.845, E 150° 58.680)
(S 34° 11.795, E 150° 58.446) - (S 34° 11.968, E 150° 58.387)

Puzzle 27: Maps II
(S 34° 11.929, E 150° 57.726) with a radius of 800 meters
(S 34° 12.400, E 150° 57.960) with a radius of 1000 meters

Puzzle 28: Maps III
Direction: 321.6 degrees.
Distance: 997 meters

Puzzle 29: Maps IV
S 34° 12' 16.44" E 150.969817

Puzzle 30: Images I
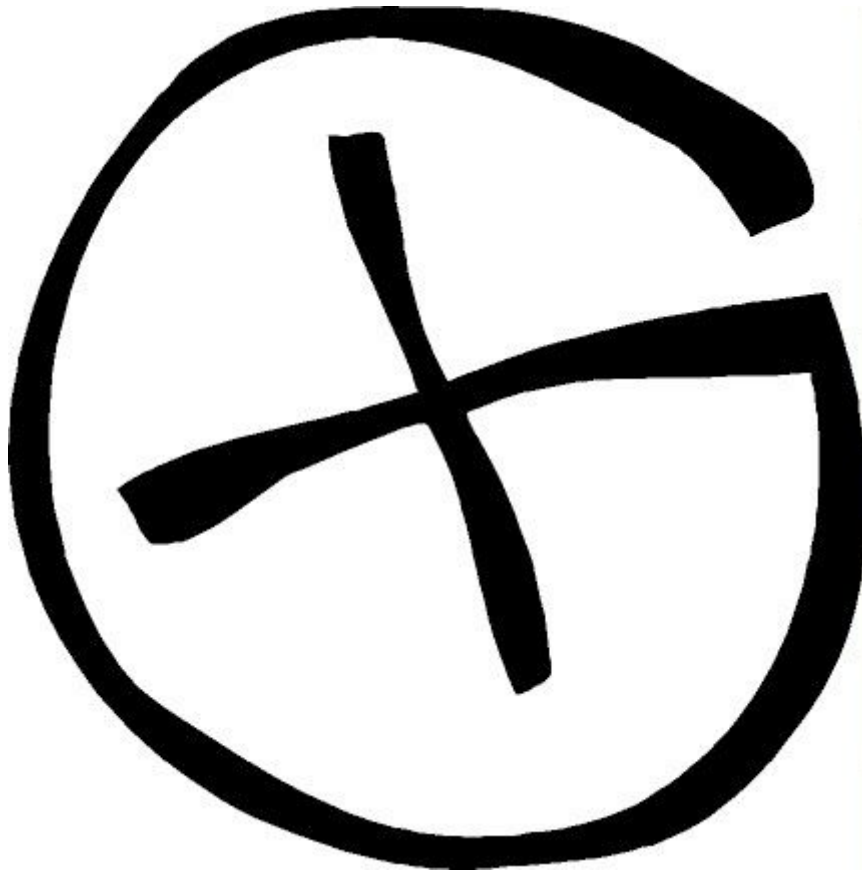
Puzzle 31: Maps V
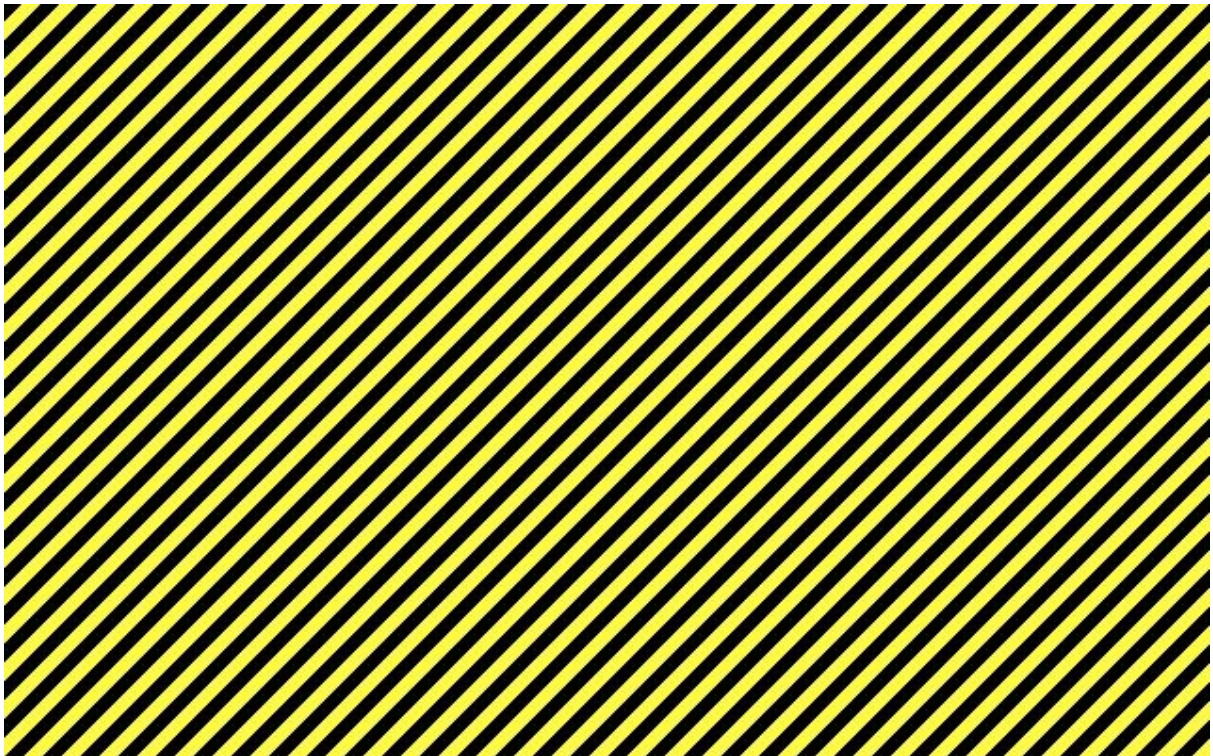Weans.Agreeing.Untrained

Puzzle 32: Math I
$f_1(x)$ = 2865.98 - 198.322 $* x$ + 2.75615 $* x^2$
$f_2(x)$ = 155.836 + 74.2497 $* x$ - 1.13773 $* x^2$
S 34 $x_1.y_1$ E 150° $x_2.y_2$

Puzzle 33: HTML I

Puzzle 34: Images II

Puzzle 35: Cipher III

Puzzle 36: Final

Please use the reverse of all pages to make your notes.