

The Mystery of The Festival Camping Chaos

It is the second morning of the annual Glamping-Berry Music Festival and people have woken up in chaos on the Family Woodland Glade Camping Field. There's scuffling and shouting as tents are collapsing because, as it transpires, during the night someone has stolen every last tent peg from the tents in the field!

You have been called in as the leading detective on the case and you have a team of Scene of Crime Officers (SOCOs) to assist you. Solve the following clues to eliminate all but one of the following suspects based on their gender, tent size and colour, blood type and the type of ticket they have.

Good luck... the Glamping-Berry campers are depending on you!



Name	M/F	Tent Colour	Type of Ticket	Size of Tent	Blood Type
Aleksandra Arcadia	F	Blue	Trader	2-man	A+
Alfred Adventure	M	Green	Family	1-man	O-
Brenda Bugspray	F	Red	Performer	3-man	B+
Borys Backshall	M	Multi	Steward	4-man	A-
Chaz Campfire	M	Yellow	Trader	2-man	AB+
Carys Countryside	F	Multi	Family	5-man	B-
Doris Dairy	F	Green	Performer	1-man	O-
Derek Discovery	M	Green	Steward	5-man	A+
Egon Endurance	M	Blue	Trader	3-man	O+
Edith Eavis	F	Multi	Steward	1-man	A+
Fiona Festoon	F	Red	Family	4-man	B+
Fred Firefly	M	Yellow	Steward	5-man	A-
Gerald Glasto	M	Red	Steward	4-man	A-
Gabriela Grylls	F	Blue	Family	2-man	O+
Harry Hammock	M	Green	Trader	2-man	O-
Hyacinth Hawkwind	F	Multi	Performer	4-man	AB-
Idwall Immersive	M	Blue	Performer	3-man	A+
Irena Insect	F	Yellow	Steward	5-man	A+
Jayesh Juggler	M	Red	Family	1-man	B-
Jane Jaffle	F	Yellow	Trader	2-man	A+
Keith Kinks	M	Blue	Performer	5-man	O-
Kasia Knapsack	F	Green	Family	3-man	O+
Leila Lantern	F	Red	Steward	5-man	B+
Lennon Leftfield	M	Blue	Family	1-man	AB-
Mathilde Mountains	F	Multi	Steward	4-man	A+
Matt Marshmallow	M	Yellow	Family	5-man	A-
Nelly Nature	F	Green	Performer	2-man	AB+
Nathan Nightsky	M	Blue	Trader	3-man	O-
Orson Orientation	M	Red	Family	1-man	B-
Olive Outdoors	F	Green	Steward	4-man	A+
Paris Pyramid	F	Yellow	Trader	2-man	O+
Pierre Peel	M	Green	Performer	3-man	A-

Clue 1

On your initial investigations around the campsite you have found a couple of dropped tent pegs in the toilet block. This has told you something...

Below are some calculations but there seem to be some missing numbers. Work out the calculations and find out what the missing digit or digits are. Those missing digits will give you a letter that reveals an anagram using the code 1=A, 2=B, 3=C etc.

Solve the anagram and find the information you need.

$$\begin{array}{r} 1. \quad \quad 2 \quad 7 \quad 8 \quad 4 \\ + \quad 2 \quad 3 \quad 4 \quad 5 \\ \hline 5 \quad \quad \quad 9 \\ \hline \end{array}$$

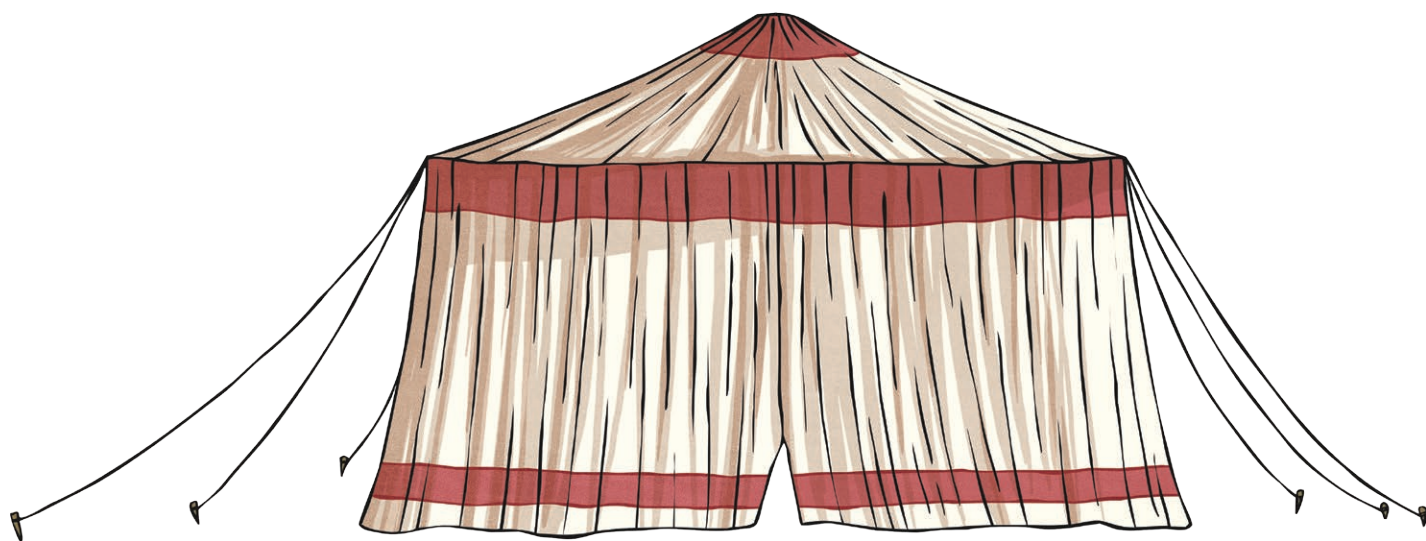
$$\begin{array}{r} 4. \quad \quad 6 \quad 8 \quad 7 \quad 4 \\ - \quad 5 \quad 5 \quad 7 \quad 2 \\ \hline \quad \quad \quad 0 \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad \quad 7 \quad 1 \quad 7 \quad 8 \\ - \quad 4 \quad 6 \quad 1 \quad 5 \\ \hline 2 \quad \quad 6 \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad \quad 3 \quad 0 \quad 6 \quad 4 \\ + \quad 3 \quad 9 \quad 8 \quad 6 \\ \hline 7 \quad 0 \quad \quad 0 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad \quad 1 \quad 0 \quad 1 \quad 1 \\ + \quad \quad 8 \quad 9 \quad 8 \\ \hline \quad \quad 9 \quad 0 \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \quad 8 \quad 0 \quad 0 \quad 0 \\ - \quad 6 \quad 0 \quad 1 \quad 4 \\ \hline 1 \quad 9 \quad 8 \quad \quad \\ \hline \end{array}$$



Clue 2

The SOCOs have analysed some of the dropped pegs. The ones with the oldest fingerprints, they have worked out, have come from the thief's own tent. After more analysis, they can determine the make of tent that these pegs have come from. This certain tent only comes in a couple of colours. Solve the clues below to find which colours of tent the criminal could have.

Find the answers to the following calculations in these groups of answers. The two tent colours with the most answers are the tent colours that the criminal might have.

1. $2.6 - 1.4 =$ _____

2. $5.6 \div 2 =$ _____

3. $0.24 + 0.76 =$ _____

4. $0.55 \times 2 =$ _____

5. $0.07 + 0.03 =$ _____

6. $3 \div 2 =$ _____

7. $0.3 \times 3 =$ _____

8. $0.2 \times 4 =$ _____

9. $1.75 + 0.35 =$ _____

10. $1.2 \div 3 =$ _____

11. $0.35 \times 2 =$ _____

12. $30 \div 100 =$ _____

13. $0.02 \times 10 =$ _____

14. $1.65 + 1.35 =$ _____

Red	Yellow	Blue	Green	Multi
0.1	0.2	0.3	0.4	0.5
0.6	0.7	0.8	0.9	1.0
1.4	1.5	1.1	1.2	1.3
2.7	2.8	2.9	3.0	2.1

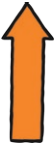
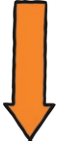
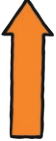


Clue 3

You have spotted the same footprints alongside each of the dropped tent pegs. The SOCOs have identified lots of the same footprints around some tents in a small area of the campsite, leading you to believe that this is where the culprit was staying.

In the area, all the tents are the same size.

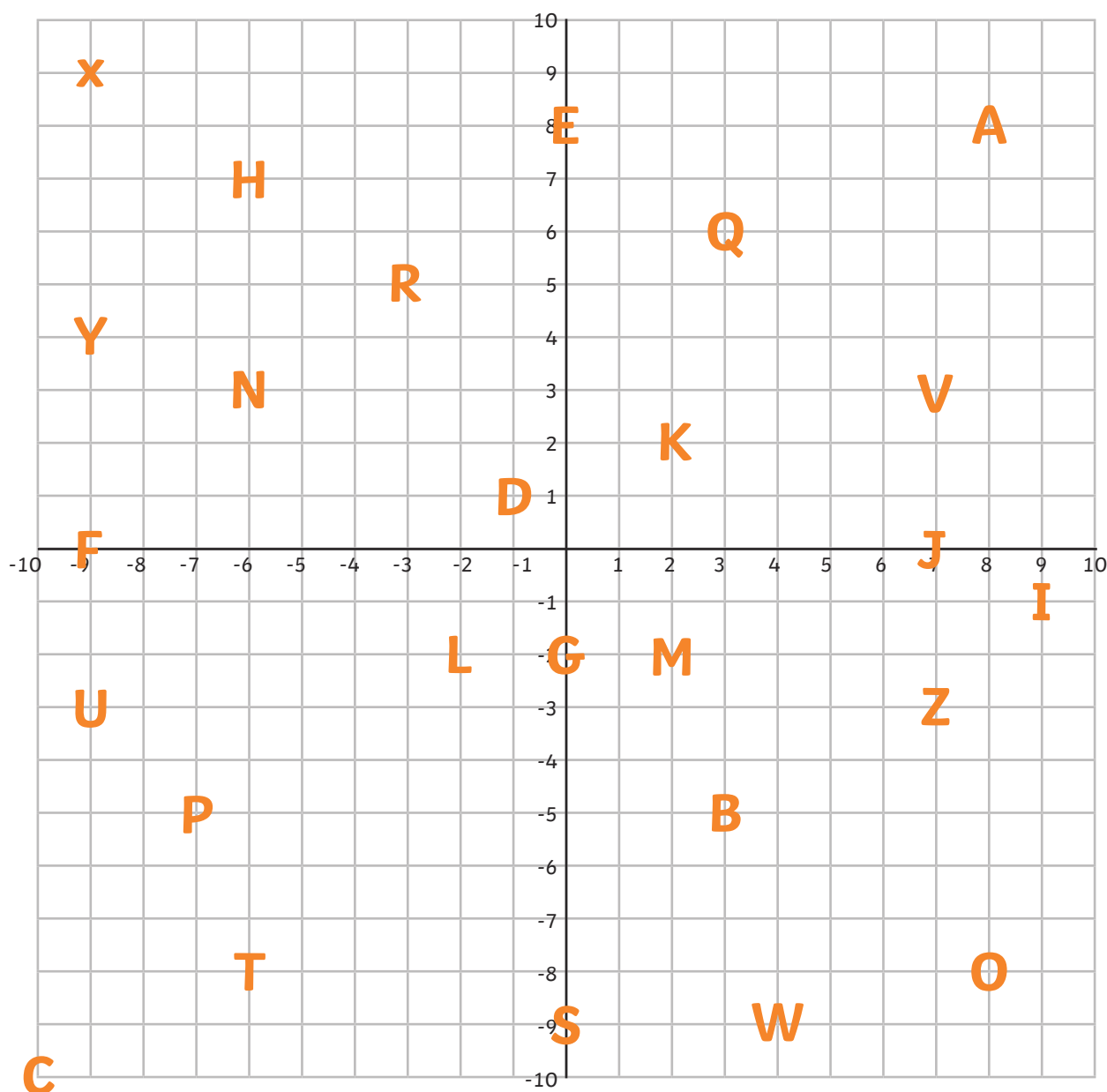
Solve the calculation trail below to give you the 'man' number of the culprit's tent.

Start 	L in roman numerals		Divide by 2		- 30	
	Write as a %		Halve it		Add 27	
÷ 10		- 10		+ 5		take off 4%
	Double again		Double it		Times by 100	÷ 100
× 1.2		Divide by 10	??? What's the answer?			
	Double it		Half and half again		write as a decimal	take away 0.2
√ Square root it		Take away from 5.00		+ 3.45		
	Divide it by 25		Square it		× 1000	

Clue 4

On one of the dropped tent pegs there is a fragment of coloured wrist band that has been ripped off when the thief was removing the tent pegs. This has let you identify the type of ticket the culprit has.

Use the grid below to identify the letters from the coordinates given. This will give you some letters, some of which are red herrings. Hidden in the letter, is the type of ticket belonging to the thief.



Coordinates:

$(-9, 0)$

$(0, 8)$

$(-7, -5)$

$(-3, 5)$

$(0, -9)$

$(8, 8)$

$(-1, 1)$

$(-3, 5)$

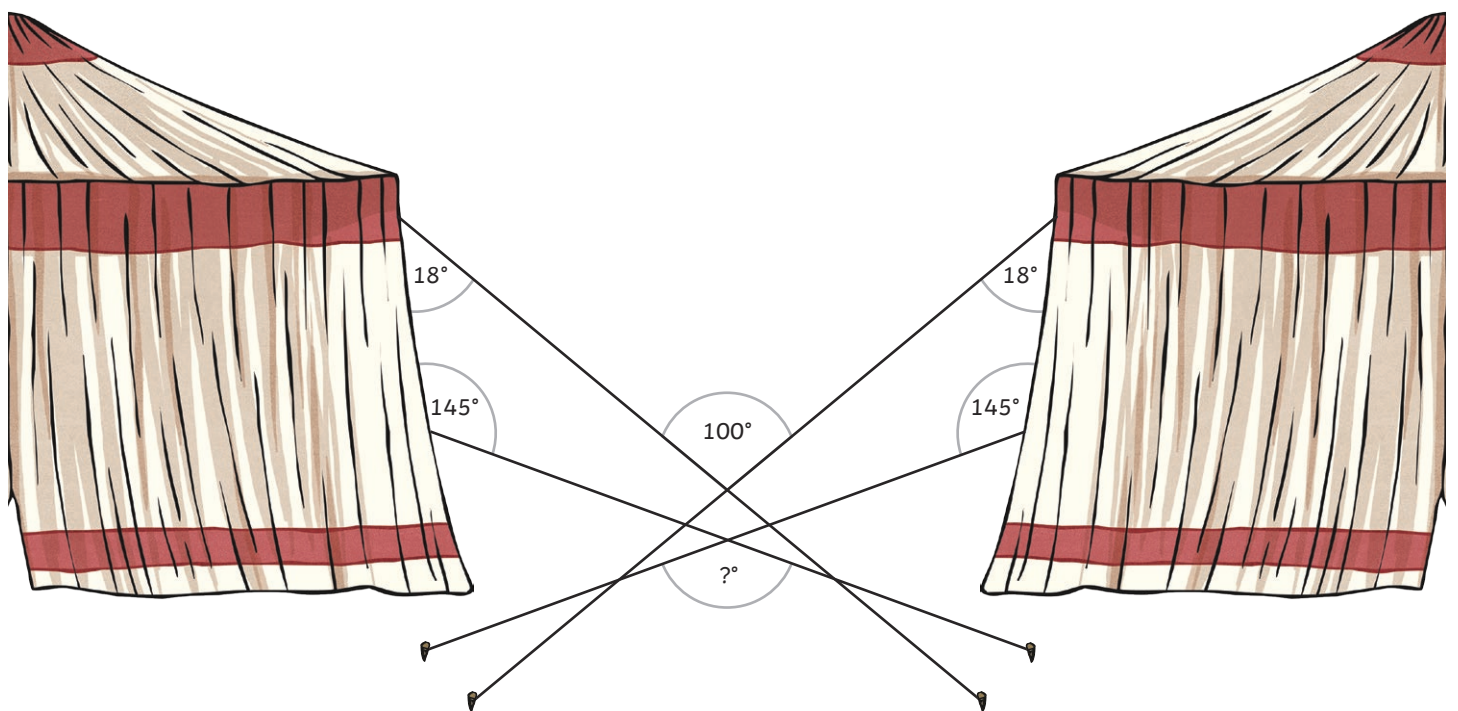
$(-6, -8)$

Clue 5

You have found some more dropped pegs around the festival site. The SOCOs have found that some of the pegs show traces of recent blood that they are surmising comes from the criminal's legs being scratched against them as they wandered around the campsite in the dark.

On analysis, we can determine the blood group of the criminal which gives use the final clue we need.

Work out the mystery angle in these crossed guy ropes and that will correspond to a blood type at the bottom of the page.



A+	A-	B+	B-	O+	O-	AB+	AB-
134°	145°	163°	45°	180°	80°	90°	100°

The Confession

When the culprit was finally caught, they had this to say about their experience...

×	12	9	7	3	20	6	8	4	30	5
10	O	M	©	R	Q	V	N	A	L	)
5	V	F	:	C	#	R	A	(	@	=
4	E	E	G	-	N	H	D	W	O	+
7	"	!	Z	I	\	S	.	G	\$	:
9	U	[	!	#	T	#	Y	E	<	F
100	K	/	£	L	&	J	%	>	P	'
3	E	#	I	~	V	,	H	-	M	C
8	]	Y	.	H	*	B	X	D	?	A
12	'	U	"	E	?	Y	"	B	;	V
6	Y	#	S	,	O	E	B	H	T	R

21	180	16	40	42	40	300	300

28	36	180	180	21	80	28	40

48	21	180	180	120	120

500	21	80	12	180	36	80	180	42	144

Clue 1

Answers

$$\begin{array}{r} 1. \quad \begin{array}{r} 2 \quad 7 \quad 8 \quad 4 \\ + \quad 2 \quad 3 \quad 4 \quad 5 \\ \hline 5 \quad \mathbf{1} \quad \mathbf{2} \quad 9 \end{array} \end{array}$$

$$\begin{array}{r} 4. \quad \begin{array}{r} 6 \quad 8 \quad 7 \quad 4 \\ - \quad 5 \quad 5 \quad 7 \quad 2 \\ \hline \mathbf{1} \quad \mathbf{3} \quad 0 \quad 2 \end{array} \end{array}$$

$$\begin{array}{r} 2. \quad \begin{array}{r} 7 \quad 1 \quad 7 \quad 8 \\ - \quad 4 \quad 6 \quad 1 \quad 5 \\ \hline 2 \quad \mathbf{5} \quad 6 \quad 3 \end{array} \end{array}$$

$$\begin{array}{r} 5. \quad \begin{array}{r} 3 \quad 0 \quad 6 \quad 4 \\ + \quad 3 \quad 9 \quad 8 \quad 6 \\ \hline 7 \quad 0 \quad \mathbf{5} \quad 0 \end{array} \end{array}$$

$$\begin{array}{r} 3. \quad \begin{array}{r} 1 \quad 0 \quad 1 \quad 1 \\ + \quad \quad 8 \quad 9 \quad 8 \\ \hline \mathbf{1} \quad 9 \quad 0 \quad 9 \end{array} \end{array}$$

$$\begin{array}{r} 6. \quad \begin{array}{r} 8 \quad 0 \quad 0 \quad 0 \\ - \quad 6 \quad 0 \quad 1 \quad 4 \\ \hline 1 \quad 9 \quad 8 \quad \mathbf{6} \end{array} \end{array}$$

Reveals: FEMALE

(from the anagram of letters: 6, 5, 13, 1, 12, 5)

Clue 2 Answers

$$1. \quad 2.6 - 1.4 = \mathbf{1.2}$$

$$8. \quad 0.2 \times 4 = \mathbf{0.8}$$

$$2. \quad 5.6 \div 2 = \mathbf{2.8}$$

$$9. \quad 1.75 + 0.35 = \mathbf{2.1}$$

$$3. \quad 0.24 + 0.76 = \mathbf{1.0}$$

$$10. \quad 1.2 \div 3 = \mathbf{0.4}$$

$$4. \quad 0.55 \times 2 = \mathbf{1.1}$$

$$11. \quad 0.35 \times 2 = \mathbf{0.7}$$

$$5. \quad 0.07 + 0.03 = \mathbf{0.1}$$

$$12. \quad 30 \div 100 = \mathbf{0.3}$$

$$6. \quad 3 \div 2 = \mathbf{1.5}$$

$$13. \quad 0.02 \times 10 = \mathbf{0.2}$$

$$7. \quad 0.3 \times 3 = \mathbf{0.9}$$

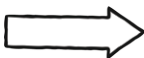
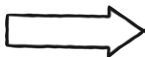
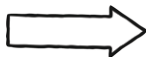
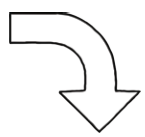
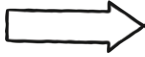
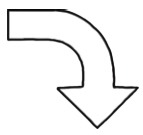
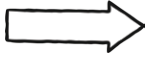
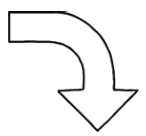
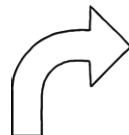
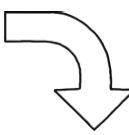
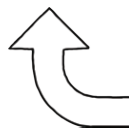
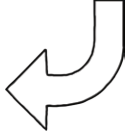
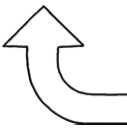
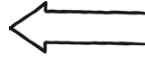
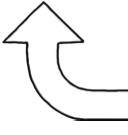
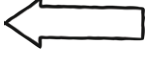
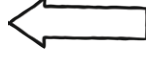
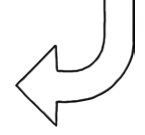
$$14. \quad 1.65 + 1.35 = \mathbf{3.0}$$

Clue 2 Answers

Red	Yellow	Blue	Green	Multi
0.1	0.2	0.3	0.4	0.5
0.6	0.7	0.8	0.9	1.0
1.4	1.5	1.1	1.2	1.3
2.7	2.8	2.9	3.0	2.1

Tent is Yellow or Green

Clue 3 Answers

Start 	= 50			= 25		= -5	
	= 48%			= 24%			= 22
= 0.48		= -4.6		= 0.4		= 20%	
	= 5.4				= 40		= 0.22
= 4.8		= 1	Answer 2				
	= 2.7		= 10			= 0.2	= 0.02
= 4		= 1.35			= 3.65		
	= 16			= 400		= 20	

Clue 4 Answers

Word: TRADER

(-9,0)F (0,8)E (-7,-5)P (-3,5)R (0,-9)S (8,8)A (-1,1)D (-3,5)R (-6,-8)T

Clue 5 Answers

The mystery angle = 134° which gives A+ as the blood type.

Children may need the following hints:

- Internal angles of a triangle = 180°
- Internal angles of a quadrilateral = 360°
- A straight line = 180°
- Opposite angles are equal on crossed/bisecting lines.

The Culprit: Jane Jaffle

The Confession:

It was all getting a bit too 'in-tents'.

21	180	16	40	42	40	300	300
I	T	W	A	S	A	L	L

28	36	180	180	21	80	28	40
G	E	T	T	I	N	G	A

48	21	180	180	120	120
B	I	T	T	O	O

500	21	80	12	180	36	80	180	42	144
'	I	N	-	T	E	N	T	S	'