



The Mince Pie Thief Instructions

There has been a serious crime committed at Santa's Workshop! Mrs Claus has been busy baking mince pies for all the elves. She left them on a large tray to cool down near the window. There should be enough for one each, but when they have all been shared out, one elf has not got a mince pie! That means a mince pie has been stolen!

As the Detective Chief Inspector, it is your job to work out who the culprit is. Your officers have taken down the names and descriptions of the 30 elves who were busy in the workshop that day.

There are also five top secret clues that have been left. To crack the case you will need to solve each code and cross reference the information with the list of names.





The Mince Pie Thief Elf Descriptions



Elf Number	Name	M/F	Height (for an elf)	Hat colour	Hair colour	Glasses
1	Fizz	F	Short	Red	Light	N
2	Ditsy	M	Short	Green	Dark	N
3	Basil	M	Tall	Green	Dark	N
4	Merv	M	Tall	Green	Dark	N
5	Tinsel	F	Short	Red	Light	Y
6	Jessie	F	Short	Green	Light	N
7	Lizzie	F	Tall	Red	Dark	Y
8	Bernard	M	Short	Red	Light	Y
9	Sam	M	Tall	Red	Dark	N
10	Jinx	M	Tall	Green	Light	N
11	Clem	M	Short	Red	Dark	Y
12	Tazzy	F	Short	Green	Dark	N
13	Eric	M	Short	Red	Dark	N
14	Nigel	M	Tall	Red	Light	N
15	Jed	M	Tall	Red	Light	N
16	Kizzy	F	Short	Green	Light	N
17	Twiddle	F	Tall	Red	Dark	N
18	Frank	M	Short	Green	Dark	Y
19	Lester	M	Short	Green	Light	N
20	Vinny	M	Tall	Red	Dark	Y
21	Saz	F	Tall	Red	Light	N
22	Pixie	F	Short	Green	Light	N
23	Wendy	F	Short	Red	Dark	N
24	Kimmie	F	Short	Green	Dark	Y
25	Harvey	M	Tall	Green	Dark	N
26	Jem	M	Short	Red	Light	N
27	Caspar	M	Tall	Red	Dark	Y
28	Jinny	F	Short	Green	Dark	N
29	Betsy	F	Tall	Red	Light	N
30	Nancy	F	Tall	Green	Light	Y



Clue Number 1



Use the table below to work out the words in the clue, then make a sentence out of the words.

	A	B	C	D
1	found	hedge	bowl	was
2	green	a	cat	for
3	lost	table	tray	sleigh
4	have	light	paint	beard
5	cupboard	door	jar	on
6	carpet	after	the	bells
7	box	kept	heavy	strands
8	hair	book	curtain	presents
9	jump	hats	were	gold
10	blanket	the	saw	pack

B4 _____ D5 _____ A1 _____ A8 _____

C9 _____ D7 _____ C3 _____ B10 _____

Clue _____





Clue Number 2



Below is a coded message. Each letter of the alphabet has been replaced with a new letter. The first four have been done for you. Continue the alphabet in order until it is complete, then look to the right of each letter to find what it has replaced.

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

Rewrite the letters to solve the coded message. The first word has been solved for you.

FTQ	QXR	EQQZ	DGZZUZS	MIMK
<u>THE</u>	_____	_____	_____	_____
RDAY	FTQ	FDMK	TMP	M
_____	_____	_____	_____	_____
DQP	TMF	AZ		
_____	_____	_____		





Clue Number 3



Use the grid and the coordinates to work out the clue.

5	A	F	K	P	U
4	B	G	L	Q	V
3	C	H	M	R	W
2	D	I	N	S	X
1	E	J	O	T	Y
0	1	2	3	4	5

(4,1)(2,3)(1,1) / (4,1)(2,3)(2,2)(1,1)(2,5) / (2,3)(1,5)(1,2) /

(5,5)(4,2)(1,1)(1,2) / (1,5) / (1,4)(3,1)(5,2) / (4,1)(3,1) /

(4,2)(4,1)(1,5)(3,2)(1,2) / (3,1)(3,2) / (4,1)(3,1) /

(4,3)(1,1)(1,5)(1,3)(2,3) / (4,1)(2,3)(1,1) / (4,1)(4,3)(1,5)(5,1)

Clue _____





Clue Number 4



Work out these calculations to solve the clue.

A	B	C	D	E	F	G	H	I	J	K	L	M
10	12	14	16	18	20	22	24	26	28	30	32	34
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
36	38	40	42	44	46	48	50	52	54	56	58	60

$$(4 \times 12)(240 \div 10)(3 \times 6) / (2 \times 24)(300 - 276)(96 - 70)(54 \div 3)(345 - 325) /$$

$$(4 \times 4)(88 \div 2)(64 - 26)(800 \div 20)(240 \div 6)(9 \times 2)(32 \div 2) /$$

$$(30 + 18)(120 \div 5)(108 \div 6)(13 \times 2)(100 - 56) /$$

$$(11 \times 2) (12 \times 3 - 4) (1156 - 1146)(23 \times 2)(112 - 66)(859 - 841)(110 - 64) /$$

$$(3 \times 3 + 5)(280 \div 28) (92 \div 2) (2 \times 2 \times 2 + 10) /$$

$$(4 \times 9)(162 \div 9)(500 \div 5 - 90)(189 - 145) / (4 \times 7 + 20)(8 \times 3)(278 - 260) /$$

$$(463 - 415)(22 \times 2)(924 - 914)(174 \div 3)$$

Clue _____





Clue Number 5



Use the codes below to solve the last clue. Then can you unscramble the sentence? Good luck!

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

. _ _ . / . . / .
 _ / / .
 . _ _ / . _ / ...
 _ / / . . / . / . . _ .
 _ _ / . . / _ . / _ . _ . / .
 . . _ . / . / _ _ / . _ / . _ . . / .

Clue _____

