

The Christmas Pudding Mystery

Instructions

A serious crime has been committed at Santa's Workshop! Mrs Claus has been busy baking mini Christmas puddings for all the elves. The puddings were cooling on the windowsill, but when she went to count them, one was missing!

As the Detective Chief Inspector, it is your job to work out who has stolen one of the Christmas puddings. 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 check the information with the list of names.



The Elf Descriptions

Elf Number	Name	M/F	Height (for an elf)	Hat colour	Length of hair	Glasses
1	Jessie	F	Short	Red	Short	N
2	Herbie	M	Short	Green	Short	N
3	Nev	M	Tall	Green	Long	N
4	Frankie	M	Tall	Green	Short	N
5	Tassel	F	Short	Red	Long	Y
6	Bauble	F	Short	Green	Long	N
7	Belle	F	Short	Red	Short	Y
8	Malc	M	Short	Green	Short	Y
9	Jim	M	Tall	Red	Short	N
10	Tweedle	M	Tall	Green	Long	N
11	Fletch	M	Short	Red	Short	N
12	Fancy	F	Short	Green	Long	N
13	Bert	M	Short	Red	Short	N
14	Simon	M	Tall	Red	Long	N
15	Jet	M	Tall	Red	Short	N
16	Jemima	F	Short	Green	Long	N
17	Belinda	F	Tall	Red	Long	N
18	Grindle	M	Short	Green	Short	Y
19	Brad	M	Short	Green	Long	N
20	Stretch	M	Tall	Red	Short	Y
21	Sazzle	F	Tall	Red	Long	N
22	Rose	F	Short	Green	Long	N
23	Annie	F	Short	Red	Short	N
24	Glitzzy	F	Short	Green	Short	Y
25	Norman	M	Tall	Green	Short	N
26	Plumpy	M	Short	Red	Long	N
27	Grumble	M	Tall	Red	Short	Y
28	Maddy	F	Short	Green	Long	N
29	Sparkle	F	Tall	Red	Short	N
30	Dizzy	F	Tall	Green	Long	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	to	bowl	was
2	red	a	cat	for
3	lost	table	the	sleigh
4	have	light	paint	beard
5	window	door	jar	tray
6	carpet	a	the	bells
7	box	kept	hat	strands
8	hair	book	curtain	presents
9	found	near	were	next
10	blanket	the	saw	pack

B6 _____ A2 _____ C3 _____ D9 _____

C7 _____ B1 _____ D5 _____ A9 _____

D1 _____

Clue _____

Clue Number 2

Below is a coded message. Each letter of the alphabet has been replaced with a number. The first four have been done for you.

Complete the pattern then solve the clue.

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

20	8	5

20	8	9	5	6

21	19	5	4

1

12	1	4	4	5	18

20	15

18	5	1	3	8

20	8	5

16	21	4	4	9	14	7	19

Clue _____

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

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

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

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

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

Clue _____

Clue Number 4

Work out these sums 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

$$(4 \times 12) \quad 2 \times 12) \quad (6 \times 3) \quad / \quad (6 \times 8) \quad (4 \times 6) \quad (13 \times 2) \quad (2 \times 9) \quad (10 \times 2) \quad /$$

$$(2 \times 8) \quad (4 \times 11) \quad (19 \times 2) \quad (10 \times 4) \quad (8 \times 5) \quad (6 \times 3) \quad (4 \times 4) \quad / \quad (2 \times 5) \quad /$$

$$(8 \times 5) \quad (13 \times 2) \quad (9 \times 4) \quad (5 \times 6) \quad /$$

$$(4 \times 8) \quad (2 \times 13) \quad (10 \times 4) \quad (23 \times 2) \quad (12 \times 4) \quad (13 \times 2) \quad (7 \times 2) \quad (6 \times 5)$$

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 _____

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
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2	red	a	cat	for
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5	window	door	jar	tray
6	carpet	a	the	bells
7	box	kept	hat	strands
8	hair	book	curtain	presents
9	found	near	were	next
10	blanket	the	saw	pack

B6 A

A2 red

C3 the

D9 next

C7 hat

B1 to

D5 tray

A9 found

D1 was

Clue A red hat was found next to the tray.

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.

A	1	J	10	S	19
B	2	K	11	T	20
C	3	L	12	U	21
D	4	M	13	V	22
E	5	N	14	W	23
F	6	O	15	X	24
G	7	P	16	Y	25
H	8	Q	17	Z	26
I	9	R	18		

20	8	5
T	h	e

20	8	9	5	6
t	h	i	e	f

21	19	5	4
u	s	e	d

1
a

12	1	4	4	5	18
l	a	d	d	e	r

20	15
t	o

18	5	1	3	8
r	e	a	c	h

20	8	5
t	h	e

16	21	4	4	9	14	7	19
p	u	d	d	i	n	g	s

Clue The thief used a ladder to reach the puddings.

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

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

Short

hair

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

strands

were

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

found

on

the

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

windowsill

Clue Short hair strands were found on the windowsill.

Clue Number 4

Work out these sums 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

(4×12) (2×12) (6×3) / (6×8) (4×6) (13×2) (2×9) (10×2) /

The

thief

(2×8) (4×11) (19×2) (10×4) (8×5) (6×3) (4×4) / (2×5) /

dropped

(8×5) (13×2) (9×4) (5×6) /

pink

(4×8) (2×13) (10×4) (23×2) (12×4) (13×2) (7×2) (6×5)

lipstick

Clue The thief dropped a pink lipstick.

Clue Number 5

.

a

— — . / . — . / . — / ... / ... / . / ...

glasses

$$\frac{\frac{a}{b} \cdot \frac{c}{d}}{\frac{e}{f} \cdot \frac{g}{h}} = \frac{a \cdot c \cdot f \cdot h}{b \cdot d \cdot e \cdot g}$$

case

$$\frac{\dots}{\dots} / \frac{\dots}{\dots} \dots$$

was

— — — / — .

on

$$\frac{\quad}{\quad} \div \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

the

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

floor

Clue A glasses case was on the floor.

Answer The thief is Belle the elf!