The Mystery of the Locked Cupboard - Answers

Clue 1

Order each set of numbers from the smallest to greatest. Take the last number in each set and circle it on the table. Finally, rearrange the circled words to find the first clue.

4256	5250	5105	5002	5205
4256	5002	5105	5205	5250

87 362	78 326	78 623	87 263	87 326
78 326	78 623	87 263	87 326	87 362

12.65	12.56	21.56	21.65	15.26
12.56	12.65	15.26	21.56	21.65

0.637	0.367	0.763	0.376	0.736
0.367	0.376	0.637	0.736	0.763

0.481	0.48	0.408	0.418	0.048
0.048	0.408	0.418	0.48	0.481

87 362 key	5250 the	87 326 female
21.65 keeper	21.56 not	0.418 mystery
0.481 male	0.736 is	0.763 isn't

Clue 1: The key-keeper isn't male.

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Clue 2

Check these calculations and number sequences. If a calculation or sequence is right, put a tick. If it is wrong, put a cross. Count up the number of ticks and crosses.

If there are more ticks than crosses, the key-keeper has long hair.

If there are more crosses than ticks, the key-keeper has short hair.

	✓	✗
3, 2, 1, -1, -2, -3		✗
XC - IX = LXXXI	✓	
867 201 > 876 201		✗
8750 = 875 tens	✓	
50, 25, 0, -50, -25		✗
10 000 + 100 000 + 10 = 101 010		✗
300, 200, 100, 0, -100, -200	✓	
5000 + 50 000 + 50 = 55 050	✓	
1230 < 12 330 < 123 330	✓	
Total	5	4

Clue 2: The key-keeper has long hair.

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Clue 3

Look at the underlined digit in each number. Match it to the correct value in the grid to find the next clue.

235.<u>8</u>	2.3<u>5</u>8
3.25<u>8</u>	<u>2</u>3 538
32 <u>3</u>58	8<u>3</u> 238
<u>8</u>38 235	5<u>8</u>8 853

8 tenths the	8000 40cm	20 000 is	300 taller
3000 than	5 hundredths key	2000 shorter	800 000 1m
8 thousandths keeper	80 000 60cm	5 thousandths isn't	8 hundredths 50cm

Clue 3: The key-keeper is taller than 1m 60cm.

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Clue 4

Crack the code to find the final clue.

÷	200	50	12	106	8400	783	21 000	9	120 000
10	a	b	c	d	e	f	g	h	i
100	j	k	l	m	n	o	p	q	r
1000	s	t	u	v	w	x	y	z	I

120	**I**
20	**a**
1.06	**m**
20	**a**
0.2	**s**
1.2	**c**
0.9	**h**
7.83	**o**
7.83	**o**
0.12	**l**

1.2	**c**
7.83	**o**
0.012	**u**
84	**n**
1.2	**c**
12 000	**i**
0.12	**l**
1.06	**m**
840	**e**
1.06	**m**
5	**b**
840	**e**
1200	**r**

Clue 4: The key-keeper is a school council member.

The mystery key-keeper was: Greta