The Mystery of the Missing Glue Sticks

It's the start of a new school year and Miss Thomas is busy organising her afternoon lessons for the first day back. The day is going brilliantly! After lunchtime, Miss Thomas's class will be making some wonderful collage portraits of themselves!

Miss Thomas begins to lay out the materials that the class will need: paper, wool, tissue paper and all kinds of different fabrics. All that Miss Thomas needs to find are the new glue sticks.

As she approaches the art trays, she notices a worrying gap. The glue stick tray has vanished! Somebody has moved the full tray!

Using the class list and the clues, can you help track down the missing glue sticks and save Miss Thomas's art lesson?

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The Mystery of the Missing Glue Sticks

Pupil's Name	Male or Female?	Long or Short Hair?	Favourite Lesson	Height
Alex	male	short	French	139cm
Bertie	male	short	science	135cm
Charlie	male	long	French	122cm
Delilah	female	short	French	144cm
Eddie	male	long	art	149cm
Fredrick	male	short	history	133cm
Greta	female	short	science	138cm
Harriet	female	long	art	128cm
Jessie	female	long	art	134cm
Kylie	female	long	science	137cm
Markus	male	short	science	144cm
Nikita	female	short	history	140cm
Paulo	male	long	French	141cm
Rosie	female	short	art	138cm
Sven	male	short	art	126cm
Ulrika	female	short	history	121cm

The culprit is:_____

The Mystery of the Missing Glue Sticks

Clue 1

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

456	550	505	502	525

205	255	502	250	252

21.6	61.2	26.1	12.6	62.1

874	487	847	478	784

8.46 isn't	62.1 the	12.35 not
550 culprit	12.53 male	8.46 mystery
502 female	8.64 is	874 isn't

Clue 1: _____

The Mystery of the Missing Glue Sticks

Clue 2

Check these calculations. If a calculation 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 culprit has long hair. If there are more crosses than ticks, the culprit has short hair.

	✓	✗
0, 50, 100, 150, 200, 300		
764 > 746		
831 = 800 + 3 + 1		
598 + 10 = 608		
655 < 556		
125, 100, 75, 50, 0		
945 = 900 + 40 + 5		
400, 500, 600, 700, 800		
1375 + 100 = 2375		
Total		

Clue 2: The culprit has _____.

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Clue 3
Crack the code to find a clue about the culprit's favourite lesson.

A	B	C	D	E	F	G	H	I	J	K	L	M
71	81	91	101	111	121	131	141	151	161	171	181	191
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
306	316	326	336	346	356	366	376	386	396	406	416	426

	Answer	Letter
376 - 10		
131 + 10		
11 + 100		
426 - 10		

	Answer	Letter
91 + 10		
326 - 10		
316 - 10		
466 - 100		

	Answer	Letter
191 - 10		
161 - 10		
271 - 100		
211 - 100		

	Answer	Letter
171 - 100		
246 + 100		
356 + 10		

	Answer	Letter
41 + 100		
161 - 10		
366 - 10		
266 + 100		
416 - 100		
356 - 10		
406 + 10		

	Answer	Letter
326 - 10		
446 - 100		

	Answer	Letter
221 - 100		
336 + 10		
101 + 10		
296 + 10		
101 - 10		
241 - 100		

Clue 3: The culprit's favourite subject is _____.

The Mystery of the Missing Glue Sticks

Clue 4

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

12**8**4	**9**381
67**9**	5**9**3
8104	6**8**29

80 the	900 1m 30cm	8000 is	800 taller
9000 than	9 culprit	8 shorter	90 1m 40cm

Clue 4: _____.

The Mystery of the Missing Glue Sticks - Answers

Clue 1

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

456	550	505	502	525
456	**502**	**505**	**525**	**550**

205	255	502	250	252
205	**250**	**252**	**255**	**502**

21.6	61.2	26.1	12.6	62.1
12.6	**21.6**	**26.1**	**61.2**	**62.1**

874	487	847	478	784
478	**487**	**784**	**847**	**874**

8.46 isn't	(62.1 the)	12.35 not
(550 culprit)	12.53 male	8.46 mystery
(502 female)	8.64 is	(874 isn't)

Clue 1: The culprit isn't female.

The Mystery of the Missing Glue Sticks - Answers

Clue 2

Check these calculations. If a calculation 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 culprit has long hair. If there are more crosses than ticks, the culprit has short hair.

	✔	✘
0, 50, 100, 150, 200, 300		✘
764 > 746	✔	
831 = 800 + 3 + 1		✘
598 + 10 = 608	✔	
655 < 556		✘
125, 100, 75, 50, 0		✘
945 = 900 + 40 + 5	✔	
400, 500, 600, 700, 800	✔	
1375 + 100 = 2375		✘
Total	4	5

Clue 2: The culprit has short hair.

The Mystery of the Missing Glue Sticks - Answers

Clue 3
Crack the code to find a clue about the culprit's favourite lesson.

A	B	C	D	E	F	G	H	I	J	K	L	M
71	81	91	101	111	121	131	141	151	161	171	181	191
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
306	316	326	336	346	356	366	376	386	396	406	416	426

	Answer	Letter
376 - 10	366	T
131 + 10	141	H
11 + 100	111	E
426 - 10	416	Y
	Answer	Letter
91 + 10	101	D
326 - 10	316	O
316 - 10	306	N
466 - 100	366	T
	Answer	Letter
191 - 10	181	L
161 - 10	151	I
271 - 100	171	K
211 - 100	111	E
	Answer	Letter
171 - 100	71	A
246 + 100	346	R
356 + 10	366	T

	Answer	Letter
41 + 100	141	H
161 - 10	151	I
366 - 10	356	S
266 + 100	366	T
416 - 100	316	O
356 - 10	346	R
406 + 10	416	Y
	Answer	Letter
326 - 10	316	O
446 - 100	346	R
	Answer	Letter
221 - 100	121	F
336 + 10	346	R
101 + 10	111	E
296 + 10	306	N
101 - 10	91	C
241 - 100	141	H

Clue 3: The culprit's favourite subject is science.

The Mystery of the Missing Glue Sticks - Answers

Clue 4

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

12<u>8</u>4	<u>9</u>381
67<u>9</u>	5<u>9</u>3
<u>8</u>104	6<u>8</u>29

80 the	900 1m 30cm	8000 is	800 taller
9000 than	9 culprit	8 shorter	90 1m 40cm

Clue 4: **The culprit is taller than 1m 40cm.**

The culprit is **Markus.**