DETECTIVE CIPHER

NAME: _____ DATE: _____

Solve the math problems, find numbers in the code, and reveal the secret message!

CASE 05 **The Case of the Gingerbread Thief**

Detective Luke's gingerbread men keep vanishing. Solve the math problems and reveal who ate them!

DETECTIVE'S CIPHER CODE (Calculation result reveals letter):

5		6		7		8		9		10		11		13		16		17		18		19		21
T		Y		W		U		R		G		A		B		H		O		L		E		I

22		23		24		25																		
S		N		M		D																		

PART 1: THE SECRET QUESTION

14-7	13+3	20-3	4+7	11-6	10+9	12-7	20-4	13+6

4+6	17+4	16+7	5+5	11+8	17-8	16-3	12-3	15+4	8+3	17+8	15+9	16+3	15+8	?

PART 2: THE DETECTIVE'S ANSWER

18-7	19-3	4+4	14+9	6+4	16-7	12-6	11+7	16+5	14-9	13-8	9+9	14+5

16+8	14+3	5+3	17+5	12+7	!

☐ All math calculations verified ☐ Detective case successfully solved!

CASE SOLVED ✓

SOLUTION: DETECTIVE CIPHER

Answer key for easy checking and verification

NAME: _____ **DATE:** _____

CASE 05 **The Case of the Gingerbread Thief**

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DETECTIVE'S CIPHER CODE (Calculation result reveals letter):

5	T	6	Y	7	W	8	U	9	R	10	G	11	A	13	B	16	H	17	O	18	L	19	E	21	I	22	S	23	N	24	M	25	D

PART 1: THE SECRET QUESTION

14-7	13+3	20-3		4+7	11-6	10+9		12-7	20-4	13+6
7	16	17		11	5	19		5	16	19
W	H	O		A	T	E		T	H	E

4+6	17+4	16+7	5+5	11+8	17-8	16-3	12-3	15+4	8+3	17+8		15+9	16+3	15+8	
10	21	23	10	19	9	13	9	19	11	25		24	19	23	
G	I	N	G	E	R	B	R	E	A	D		M	E	N	?

PART 2: THE DETECTIVE'S ANSWER

18-7	19-3	4+4	14+9	6+4	16-7	12-6		11+7	16+5	14-9	13-8	9+9	14+5
11	16	8	23	10	9	6		18	21	5	5	18	19
A	H	U	N	G	R	Y		L	I	T	T	L	E

16+8	14+3	5+3	17+5	12+7	
24	17	8	22	19	
M	O	U	S	E	!

✓ All math calculations verified ✓ Detective case successfully solved!

CASE SOLVED ✓