DETECTIVE CIPHER

NAME: _____ DATE: _____

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

CASE 04 **The Case of the Missing Sleigh Bell**

Detective Emma is looking for Santa's lost sleigh bell. Solve the math problems and reveal who took it!

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

5	6	7	8	9	11	12	13	14	15	16	17	19	21	23	24	25
W	O	E	H	I	G	T	D	L	K	N	B	U	R	S	A	Y

PART 1: THE SECRET QUESTION

15-10	11-3	16-10	5+7	11-5	15-9	7+8	16-4	4+4	4+3

16+7	11+3	17-10	6+3	7+4	18-10	13+4	15-8	5+9	8+6	?

PART 2: THE DETECTIVE'S ANSWER

15+9	20-4	17+7	11+8	17-6	16-8	20-8	17+8	9+5	18-9	18-6	19-7	6+8	14-7

17+4	16-9	5+4	11+5	5+8	11-4	13-6	13+8	!

☐ All math calculations verified ☐ Detective case successfully solved! CASE SOLVED ✓

SOLUTION: DETECTIVE CIPHER

Answer key for easy checking and verification

NAME: _____ **DATE:** _____

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15	16	17	19		21	23	24	25
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PART 1: THE SECRET QUESTION

15-10	11-3	16-10	5+7	11-5	15-9	7+8	16-4	4+4	4+3
5	8	6	12	6	6	15	12	8	7
W	H	O	T	O	O	K	T	H	E

16+7	11+3	17-10	6+3	7+4	18-10	13+4	15-8	5+9	8+6	?
23	14	7	9	11	8	17	7	14	14	
S	L	E	I	G	H	B	E	L	L	

PART 2: THE DETECTIVE'S ANSWER

15+9	20-4	17+7	11+8	17-6	16-8	20-8	17+8	9+5	18-9	18-6	19-7	6+8	14-7
24	16	24	19	11	8	12	25	14	9	12	12	14	7
A	N	A	U	G	H	T	Y	L	I	T	T	L	E

17+4	16-9	5+4	11+5	5+8	11-4	13-6	13+8	!
21	7	9	16	13	7	7	21	
R	E	I	N	D	E	E	R	

✓ All math calculations verified ✓ Detective case successfully solved! **CASE SOLVED ✓**