DETECTIVE CIPHER

NAME: _____ DATE: _____

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

CASE 03 **The Night Mystery at Sea**

Detective Peter spots a mysterious glowing light on the seashore. Solve the math problems to reveal what shines in the dark!

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

5 H	6 D	7 R	8 A	9 I	10 O	11 L	14 N	15 E	
16 G	18 S	19 F	20 T	22 U	23 V	24 W	25 Y		

PART 1: THE SECRET QUESTION

16+8	11-6	15-7	12+8	11+7	13-8	17-8	7+7	8+7	10+8	6+4	15+8	9+6	13-6		
14+6	12-7	18-3		13+5	20-5	16-8	?								

PART 2: THE DETECTIVE'S ANSWER

12-4	15+5	14-6	15-4	8+3	13+6	14-7	15-6	7+8	8+6	12-6	7+4	17+8			
16-5	14-5	9+7	14-9	16+4	11-6	5+5	14+8	12+6	19-4	!					

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

SOLUTION: DETECTIVE CIPHER

Answer key for easy checking and verification

NAME: _____ **DATE:** _____

CASE 03 **The Night Mystery at Sea**

Detective Peter spots a mysterious glowing light on the seashore. Solve the math problems to reveal what shines in the dark!

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

5 H	6 D	7 R	8 A	9 I	10 O	11 L	14 N	15 E	
16 G	18 S	19 F	20 T	22 U	23 V	24 W	25 Y		

PART 1: THE SECRET QUESTION

16+8	11-6	15-7	12+8	11+7	13-8	17-8	7+7	8+7	10+8	6+4	15+8	9+6	13-6
24	5	8	20	18	5	9	14	15	18	10	23	15	7
W	H	A	T	S	H	I	N	E	S	O	V	E	R

14+6	12-7	18-3	13+5	20-5	16-8	?
20	5	15	18	15	8	
T	H	E	S	E	A	

PART 2: THE DETECTIVE'S ANSWER

12-4	15+5	14-6	15-4	8+3	13+6	14-7	15-6	7+8	8+6	12-6	7+4	17+8
8	20	8	11	11	19	7	9	15	14	6	11	25
A	T	A	L	L	F	R	I	E	N	D	L	Y

16-5	14-5	9+7	14-9	16+4	11-6	5+5	14+8	12+6	19-4	!
11	9	16	5	20	5	10	22	18	15	
L	I	G	H	T	H	O	U	S	E	

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