N40 C 1	Dath and Mand Dudlet	1 1 \ A /		
	Patterns Word Probl			
The following Dia	agrams are made out of Toothpicks.	Draw another Diagram.	Create a Table of Values for	
			Diagrams 1-5.	
Write Let Statem	nents			
Find the	How many Toothpicks	Which Diagram has		
Equation	in the 8th Diagram?	21 Toothpicks?		
The following D	iagrams are made out of Circles.	Draw another Diagram.	Create a Table	
	\otimes		of Values for Diagrams 1-5.	
) 00000 ···		Diagrams 1-3.	
Write Let Staten	nents			
Find the	How many Toothpicks	Which Diagram		
Equation	in the 7th Diagram?	has 31 Circles?		

IVIS	9 - 6.	1 -	Pall	tern	5 VV	Oru	FIC	אוטנ	1113	1100						
The	e followi	ing Dia	igrams	are m	ade ou	ut of S	quares	. Di	raw ar	other	Diagra	эm.	of '	eate a Values agrams	for	
ſ		H	+			••	•									
Wr	ite Let S	tatem	ents													
	nd the quation				many [*] e 8th D					Diagra thpick		•				

The following D	iagrams are made	out of Dots.	Draw another Diagram.	Create a Table of Values for
		• • • •		Diagrams 1-5.
• •	• • •	• • • • • •	• •	
Write Let State	ments			
Find the	How ma	ny Dots in	Which Diagram	
Equation		diagram?	has 21 toothpicks?	
The following	Diagrams are mad	e out of Toothpick	s. Draw another Diagrar	m. Create a Table
				of Values for
	_ _ _ _			Diagrams 1-5.
		• • •		
Write Let Sta	tomonto			
write Let 3ta	itements			
Find the	How man	y Toothpicks	Which Diagram has	
Equation	in the 9th	Diagram?	144 Toothpicks?	

	M9	- 6.	1 -	Patt	tern	s W	'ord	l Pro	ble	ms	HW	1					
	The fo	llowin	g Diag	grams a	are ma	de out	of Do	ts.	Draw	anoth	ner Dia	gram.	of	Value			
						• • •							Di	agran	ns 1-5.		
	Write	e Let S	tatem	ents													
	Find Equa				How m 15th d			the			Diagrar thpick						

M9 - 6	6.2 - Lin	ear Patte	erns HW	/			
Write an	equation rela	ting t to n.					
n	t		n	t	n	t	
1	2		1	0		3	
2	3		2	1	1	6	
3	4		3	2	2		
4	5		4	3	3	9	
4	3		4	3	4	12	
n	t		n	t	n	t	
1	3		1	4	1	2	
2	5		2	7	2	6	
3	7		3	10	3	10	
4	9		4	13	4	14	
n	t		n	t	n	t	
1	-2		1	0	1	-1	
2	-4		2	-1	2	-3	
3	-6		3	-2	3	_5 _5	
4	-8		4	-3	4	-5 -7	
					4		

M9 - 6	6.2 - l	₋inear P	attern	s HV	V					
Write an	equation	relating t to n).							
		9								
n	t			n	t	_	n	t		
1				1			1			
2				2			2			
3				3		-	3			
4				4			4			
n	t			n	t		n	1		
1				1			1			
2				2			2			
3				3			3			
4				4			4			
n	t			n	t		n	1	t	
1				1			1			
2				2			2			
3				3			3			
4				4			4			
			-							

			e Patte	erns	S H V	V						
Write ar	n equatio	n relating	t to n.									
n	t				n	t			n	t		
1					1				1			
2					2				2			
3					3				3			
4					4				4			
n	t				n .	t						
1	-				<i>n</i>				n	t		
2					2				1		-	
3					3				2		-	
4					4				3		-	
4					4				4			
n	t				n	t			n	t		
1					1				1			
2					2				2			
3					3				3			
4					4				4			