#3: Using this TOV, create an equation written in the NEW format.

Figure Number	Number of Blocks
1 X4+1	= 5,44
2	9 6
3	13
20 x 4 +1	- ?81
50 X 4 +1	= 201?
100 x 4 + 1	= 401?

Equation from TOV:	1x4+1=b	→ re-write equation \	(f+1=b
FINAL REWRITE of	equation in 'NEW' format:	48+1=6	0

#4: If this pattern continues, how many small beads will MsT need if she uses 60 and 100 large beads?

MsT's BRACELETS contains large and small beads	
Number of large beads	Number of small beads
1 x 3 -	$\bigcirc = 3 + 3$
2	6 4
3	9
60 x 3 -	0 = 180
100 × 3 -	0 = 300

Equation from TOV: $\angle \times 3 = \triangle$	\rightarrow re-write equation $3\times$ = 2
FINAL REWRITE of equation in 'NEW' format:	31.022
	31=1

#5: Using this TOV, create an equation written in the NEW format.

Shape Number	Number of Square Tiles
1 x Z +	4 = 6 5 + 2
2	8
3	10
4	12
40 X Z +	4 = 84
60 x Z +	4 = 124
100 X Z +	4 = 204

Equation from TOV: $2 \times 2 + 4 = t$	\rightarrow re-write equation $2x4+4=t$
FINAL REWRITE of equation in 'NEW' format:	22+4=t

#6: Using this TOV, create an equation written in the NEW format to use to obtain the values for

shape # 20, 70.

Shape Number	Number of Blocks
1 ×3+	5 = 8 \ +3
2	11 4
3	14
20 × 3 +	5 = 65
70 × 3 +	5=215?

210

Equation from TOV: $4 \times 3 + 5 = b \rightarrow$ re-write equation $3 \times 4 + 5 = b$

FINAL REWRITE of equation in 'NEW' format:

#7: Using this TOV, create an equation written in the NEW format.		
	Figure Number	Number of Blocks
	1 × 3+1	= 4 > + 3
	2	7 4
	3	10
	30 × 3 + 1	= 91?
	50 x 3 +1	= 151?
	100 ∨ 3 →	= 3013

Equation from TOV: $f \times 3 + 1 = 1$ \rightarrow re-write equation $3 \times 4 + 1 = 1$ FINAL REWRITE of equation in 'NEW' format: 3 + 1 = 1

#8: Using this TOV, create an equation written in the NEW format.

Figure Number	Number of Blocks
1 x 6 -	2 = 4 1+6
2	10 2
3	16
40 × 6 -	2 = 238
80 × 60 -	2 = 478
100 x 6 -	2 = 598

240 480

Equation from TOV: $4 \times 6 - 2 = b \rightarrow \text{re-w}$

 \rightarrow re-write equation $0 \times 4 - 2 = 0$

FINAL REWRITE of equation in 'NEW' format:

64-2=b

Lesson #1 title: PART 1 = MORE PRACTICE Creating equations Date:

YOUR TURN ⁽²⁾ We need LOTS of practice

#1: How many toothpicks would be needed for picture #20?

Picture #	Number of toothpicks
1 ×2	+ 3 = 5 \ +2
2	75+2
3	9 42
4	11
20	

The EQUATION is

#2: How many shovels would be needed for structure #40, 50, and 100? / Number

Structure #	# of shovels
1 ×3+	3 = 6 > +3
2	9 43
3	12
40 ×3 + 3	= 123
50 x 3 + 3	= 153
100 x 3 + 3	= 303

EXPRESSION:

120

EQUATION:

#3: Create an equation to figure out how many cellphones are needed for figure #70.

Figure #	# cellphones
1 × 3	+0 = 3 >+3
2	6 4
3	9
70 × 3	+0 = 210

EQUATION:

1		Term #		# of swea	aters	
2 18 + 3 3 21 20 40 × 3 + (Z = 132 40		1 × 3	4-1	2 15	1+3	
3 21 6 20 40 x 3 + (Z = 132 6) 40 x 3 + (Z = 132 6) 40 x 3 + (Z = 132 6) 40 x 3 + (Z = 152 6) 40 x 3 + (Z = 162 6) 50 x 3 + (Z = 162 6) 40 x 3 + (Z = 162 6) 50 x 3 + (Z = 162 6)	Charles School and Control			18	5 +3	=
#5: Create an equation to figure out how many sticks would be in figure 60, 90 Figure #		3		21	Ĺ	
100 3	20	40 × 3	A- 1	land of the	132	,
100 3	40	80 × 3	+		152	
#5: Create an equation to figure out how many sticks would be in figure 60, 90 Figure #	•	100 × 3	4-1	2 =	312	
#5: Create an equation to figure out how many sticks would be in figure 60, 90 Figure #	EXPRESSION:	t x 3 =	1 2	and.		
#5: Create an equation to figure out how many sticks would be in figure 60, 90 Figure #	EQUATION:	7 3	+ 12	2 2		
Figure # # sticks 1		3-t	distribution of the second of the	经济证的 计图 医多种性		
1	#5: Create an e	equation to figure out he	ow many stick	s would be in fig	ure 60, 90	1
2 9 9 6 10 10 60 × 1 7 6 7 90 × 1 9 9 7 10 90 × 1 7 9 7 10 10 10 10 10 10 10 10 10 10 10 10 10		Figure #			# sticks	
3 10 60 X 7 7 67 90 X 7 90 X 7 90 EXPRESSION: EQUATION: #6: Create an equation to figure out how many cars would be in picture #100 picture # # cars 1 X 3 - Z 1 + 3 2 4 4 3 7 20 40 X 3 - 2 18 9 50 X 3 - 2 148		1 ×	1	7 -	8 - +-1	
60		2			9 4	
EXPRESSION: EQUATION: #6: Create an equation to figure out how many cars would be in picture #100 picture # # cars 1		3			10	
EXPRESSION: #6: Create an equation to figure out how many cars would be in picture #100 picture #		60 🗶	1	7 =	67	
#6: Create an equation to figure out how many cars would be in picture #100 picture #		, 90 🗶	-	The same of	97	
#6: Create an equation to figure out how many cars would be in picture #100 $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	EXPRESSION:	KA XI	6	= 2		
picture # # cars	EQUATION:	Viet 1	+ 7	= 1)	
picture # # cars	#6: Create an e	equation to figure out he	ow many cars	would be in pict	ure #100	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		picture :	#		# cars	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1	× 3		2 1 5+	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2			4 🕊	
150 50 x 3 - 2 = 148		3			7	
	120	40	x3	-2=	118 2	<
$100 \lor 3 - 7 = 798$	150	50	x 3	2 -	148	
		100	x 3	- 2	= 298	
$XPRESSION: p \times 3 - 2 = 0$	XPRESSION:	px3-	- 2 :	- 2		

YOUR TURN @

#1: Using this TOV, create an equation to use to obtain the values for terms # 20, 50, 100.

Figure Nu	umbe)	ľ		Num	ber of Block	(S
1	X	4	+	=	5	+4
2	X	4.	+ 1	=	9 🐇	+4
3	X	+ +	1	=	13	+4
4.	X 4	+ +	+ 1	2	17 4	
20	X	1 -	+ 1	=	81	
50	X	<i>t</i> .	+1		201	on ordin strike heeste en ordeken
100) x4	+ 4	-1	-	401	na fala in ann agu ann an agus agus agus an agus agus agus agus agus agus agus agus

Expression is	nx4+1	=6	→ >	n4+1=b	
Equation is	Axtel	= 6			(pangi)
	4n+1	= l-			mineralije

#2: Using this TOV, create an equation to use to obtain the values for terms # 40, 60, 100.

Shape N	lumber)		Num	ber of Squ	are Ti	les
1	x 2	+4		6) 1	12
2	× 2	+4	(111)	8 (K	+2
3	x2	+4		10	2	+2
4	xa	+4		12	2	tasts is provide
40) x 2	+4	2	84		
60	2 × 3	+4		124	geren en e	
10	10 x 2	+4	=	204		eron gujuş tasınlı işilin işilin işilin iş

Expression is	S	X	2	+	4	-
Equation is	A	The second	2	-	4	
		C	22	· +	4	=t

Lesson #2: MORE PRACTICE Creating Equations from TOVs.

NOTE: YOU NEED TO BECOME REALLY REALLY GOOD AND EFFICIENT at creating equations!

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		v			7				··· · · · · · · · · · · · · · · · · ·
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2	5.4		2	12	•		2	7 🐃]
3	7 %		3	17 🗣			3	11	
4	9 🕰		4	22 🐔			4	15	_].
100 XZ	7+1=201,		100 X	S+ Z=52	2	1	100X4	-1 = 399	1.
Expression:	a x 2 +		Expression:	CX50	3 = 0		Expression:	024-1	- 6
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. 2	22.		2	5	9 10 100		2	10	Ī.
3	23		3	8		. :	3	15	· .
4	24	· .;	. 4	11			4	20	-
100 x1	+ 70 = 120	1	100x	3-1= 79	ig	- 1	10015	+0=500	1
Expression:	4 11 + 20 =	K	Expression:	183	1 = A		Expression:	6x5+0	= /
Equation: C	0×1 + 20 = 1	a l	Equation;	1 23 0			Equation:	115	
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What is the		A.	What is the		De College	ESE	Equation: What is the	9.410 4.	B
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	5m+1=n			tp -	0-1			91142	-/0

- (a) Eor table MN which term has 101 in the N' column? (a) For table OP which term has 64 in the Proplem 7 column?