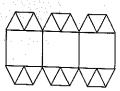
Andre makes a garden path using 6 triangular stones for every 1 square stone.



b)

C)





He writes an equation that shows how to calculate the number of triangles from the number of squares:

squares \times 6 = triangles

or (for short):

 $6 \times s = t$

Squares (s)	6×s=t	Triangles (t)
1	6 × 1 = 6	6
2	6 × 2 = 12	12
3	$6 \times \boxed{3} = 18$	18

1. Each chart represents a different design for a path. Complete the charts:

Squares

a)	Squares (s)	4 × s = t	Triangles (t)
	1	4 × 1 = 4	4
	2	4×(= 8	
	3	4 × = 12	The state of the s

Squares (s)	$3 \times s = t$	Triangles (t)
1	3×()=3	
2	3× = 6	
3	3×()= 9	Company to the Company of the Compan

d)

2. Write a rule that tells you how to calculate the number of triangles from the number of squares:

Triangles

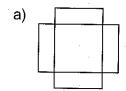
a)	Squares	Triangles
	1	4
000000000000000000000000000000000000000	2	8
Contraction	3	12
. /	^h ing symmetrien is the 644 defigeres increases. Laborator of a graph and a state of the first	***************************************

1	4		1	5
2	8		2	10
3	12	-	3	15
	net establishment en	* Volume as a management of the contract of th	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

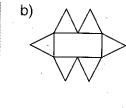
Squares	Triangles
1	2
. 2	4
3	6

Squares	Triangles
1	6
2	12
3	18
Part Production and annual production	in the manufacture of the control of

3. Wendy makes broaches using squares (s), rectangles (r), and triangles (t). Complete the chart. Write an equation (such as $4 \times s = t$) for each design:

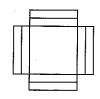


Squares (s)	Rectangles (r)
1	- Pool -
2	
3	namente - 1,72 de februare année préside describer ansièment



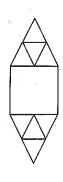
Rectangles (r)	Triangles (t)
1	***************************************
2	et de anne en en propone de la company de la
3	-

c)



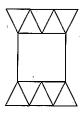
Squares (s)	Rectangles (t)

d)



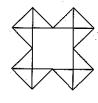
Squares (s)	Triangles (t)
	·
	, ,

e)



Squares (s)	Triangles (t)
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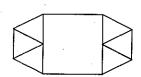
f)



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Squares (s)	Triangles (t)
	and the state of t
	mmoort 900 ft 9 is 27 Livid in minusuu maasse 909 90 22
	77-77-0-7-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0
and a second	іл-баналичнан шаға ғұлда дороды жылығынын аққады дороды дороды жалығы дороды д
•	

4. Wendy has 39 triangles.

Does she have enough triangles to make 7 broaches using the design here? How can you tell without making a chart?



5. Create a design using squares (s) and triangles (t) to go with each equation:

a)
$$6 \times s = t$$

b)
$$5 \times s = t$$

6. Create a design with squares and triangles and then write an equation for your design:

In the auditorium, the number of chairs in each row is always 4 greater than the row number. Kelly writes an equation that shows how to calculate the number of chairs from the row number:

row number + 4 = number of chairs (or r + 4 = c for short)



Row	r+4=c	Chairs
1	1 + 4 = 5	5
2	2 + 4 = 6	6
3	3 + 4 = 7	7

7. Each chart represents a different arrangement of chairs. Complete the charts:

a)	Row	r+6=c	Chairs
	1	1 + 6 = 7	7
	2	+ 6 =	
	3	+6 =	

b)

b)	Row	r+9=c	Chairs
		+ 9 =	
	2	+ 9 =	
	3	+9 =	

8. Say what number you must add to the row number to get the number of chairs. Write an equation using **r** for the row number and **c** for the number of chairs:

a)	Row	Chairs
	1	5
	2	6
	3	7

Row	Chairs
1	8
2	9
3	10

Row	Chairs
1	.9
2	10
3	11

Row	Chairs
7	12
8	. 13
9	14

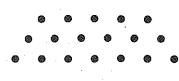
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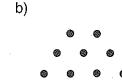
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9. Complete the charts. Then, in the box provided, write an equation for each arrangement of chairs:

a)



Row	Chairs



Row	Chairs
	~

jump math	

10. Apply the given rule to the numbers in the input column. Write your answer in the output column:

INPUT	OUTPUT
1	
2	
. 3	

b)

INPUT	OUTPUT
5	
. 6	
7	

c)

INPUT	OUTPUT
3	
5	
6	distance and an area and are

Rule:

Add 4 to the input.

Rule:

Subtract 4 from the input.

Rule:

Multiply the input by 6.

d)

INPUT	OUTPUT
32	
8	
40	

e)

INPUT	OUTPUT
18	,
19	THE PERFORMATION OF A STREET AND A STREET AN
20	ages as second manager of the Control of the Contro

t)

INPUT	ОИТРИТ
 4	
 5	Politikalitisisen kalainen maanaan muura
 6	

Rule:

Divide each input by 4.

Rule:

Add 10 to the input.

Rule:

Multiply the input by 8.

11. For each chart, give a rule that tells you how to make the output numbers from the input numbers.

a)

INPUT	OUTPUT
2	6
3	7
4	8

b) :

INPUT	OUTPUT
3	8
5	10
7	12

c)

INPUT	OUTPUT
1	7
2	14
3	21

Rule:



Rule:

d)

INPUT	OUTPUT
3	15
2	10
1	5

e)

INPUT	OUTPUT
2	16
4	32
6	48

f)

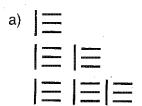
INPUT	OUTPUT
19	16
15	12
21	18

Rule:

Hamman	Rul
•	1411

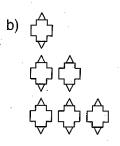
Rule:

Complete the T-table for each pattern.
Then write a rule that tells you how to calculate the second number from the first number.



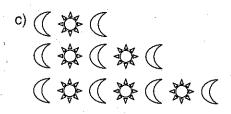
Number of Vertical Lines	Number of Horizontal Lines
	÷

A COLUMN	distance of the second of the
Rule:	
-	•
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Out of the control of	
and the second	



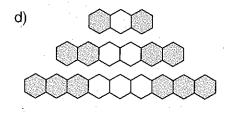
Number of Crosses	Number of Triangles

-	Rule:	- Secretary Company
- The second sec		
manufacture of a factorist		
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non-graphy and		



Number of Suns	Number of Moons





Number of Light Hexagons	Number of Dark Hexagons
,	





Number of Diamonds	Number of Stars
	1



2

2. Make a T-table and write a rule for the number of hexagons and triangles:

Figure 1

Figure 2





Figure 3 <







3. How many triangles are needed for 9 hexagons in the pattern in Question 2? How do you know?

b)

e)

4. Write a rule that tells you how to make the Output from the Input: Each rule may involve either one or two operations.

a)	Input	Output
	1	2
	2	7
	3	12
•	4	17

Input	Output
1 ·	3
. 2	. 9
3	15
4	21

Input	Output
<u>,</u> 1	5
2	6
3	7
4	8

c)

f)

c)

Rule:

	Rule:		
-	×		

	•	,
Rule:		٠

d)	Input	Output
	1	7
	2	9
	3	11
	4	13

Input	Output
0	4
. 1	8
2	12
3	16

Input	Output
1	4
2	8
3	12
4	16

Rule:			
	٠		and the second s

4	Rule:		٠			A CONTRACTOR OF THE PARTY OF TH
dunink					٠.	
				•		į

BONUS

5. Find the rule by guessing and checking.

a) -	Input	Output
	5	27
	6	32
	7	37
	8	42

o)	Input	Output
	4	7
	5	9
	6	11
	7	13

Input	Output
57	63
58	64
59	65
60	66

Rule:

Rule:	-	
4		

*****************	 inal-teirinnennehennenne	minnes
Rule:		

d)	Input	Output
	2	7
	4	13
	6	19
	8	25

e)	Input	Output
	10	31
	· 9	28
	3	10
	1	4

f)	Input	Output
	8	13
	. 4	5
	3	3
	. 7	11

Rule:			

<i>(</i>	
Rule:	

Rule:			

For each, draw Figure 4 and fill in the T-table.
Then write a rule that tells you how to calculate the input from the output:

a)

1



2

3

4

Figure	Number of Triangles
_. 1	7,7,000
2	
3	
4	a branch in leder and de driving in de 1940 de 1974 de

Rule for T-table:

2 .

Use your rule to predict how many triangles will be needed for Figure 9:

b)

1



.



4

Figure	Perimeter
1	<u>.</u>
2	**************************************
3 '	
4	

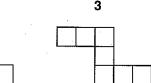
Rule for T-table:

Use your rule to predict the number of line segments in Figure 11:

c)



2



4

yearnaman and the company of the com	
Figure	Number of Squares
1	
2	
3	annesses energenesses best before 2007.
4	

Rule for T-table:

Use your rule to predict the number of squares needed for Figure 10:

d)



2



3



4

Figure	Perimeter
2	тапры (предедирены и повывання до профессиона в
3	առուստոց, Էդեղի մին մի մի հասարարագրերի թվակական մի մի հասարաբան այր այր հայտնական անձահասարա
Annual Continues of the services	and the state of the second section of the section

Rule for T-table:

Use your rule to predict the perimeter of Figure 23: