

Stretching Sequences

Activity 1, cont.

3.

Figure	Figure Number	Area	Process
	1		
	2		
	3		
	4		
	5		
	6		
	10		
	100		
	n		

- How did you find the area of figure 10?
- How did you find the area of figure 100?
- Write a sentence to describe the relationship between the area of the figure and the figure number.
- What rule can you use to find the area of any figure? Check your conjecture with the first few figures.
- How can you use this rule to create an equation to find the area of the 300th figure?

Stretching Sequences

Activity 1, cont.

4.

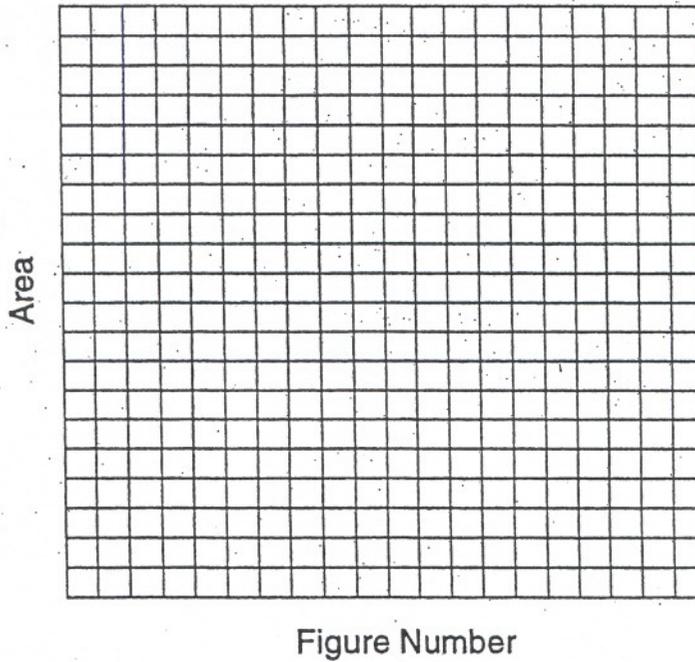
Figure	Figure Number	Area	Process
	1		
	2		
	3		
	4		
	5		
	6		
	10		
	100		
	n		

- How did you find the area of figure 10?
- How did you find the area of figure 100?
- Write a sentence to describe the relationship between the area of the figure and the figure number.
- What rule can you use to find the area of any figure? Check your conjecture with the first few figures.
- How can you use this rule to create an equation to find the area of the 250th figure?

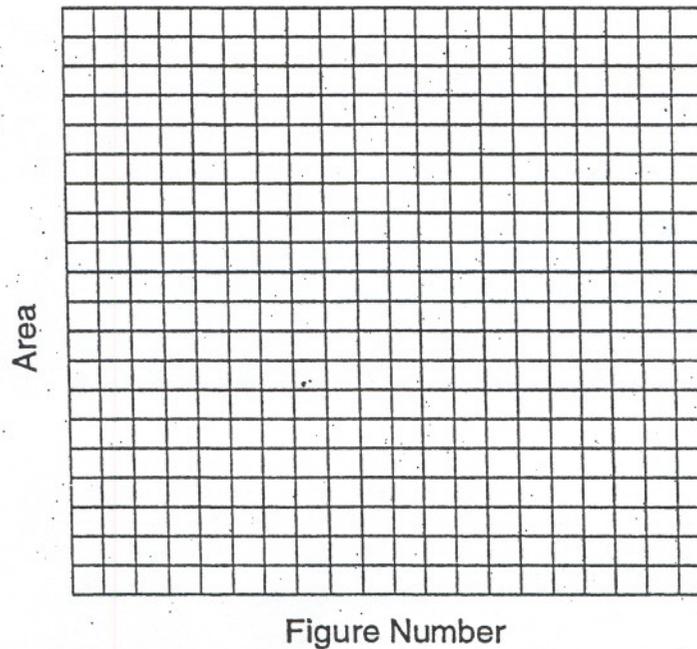
Stretching Sequences

Activity 2, cont.

3. Graph the data from Activity 1, Exercise 3.



4. Graph the data from Activity 1, Exercise 4.



Stretching Sequences

Activity 3, cont.

3.

Figure	Figure Number	Perimeter	Process
	1		
	2		
	3		
	4		
	5		
	6		
	10		
	100		
	n		

- How did you find the perimeter of figure 10?
- How did you find the perimeter of figure 100?
- Write a sentence to describe the relationship between the perimeter of the figure and the figure number.
- What rule can you use to find the perimeter of any figure? Check your conjecture with the first few figures.
- How can you use this rule to create an equation to find the perimeter of the 300th figure?

Stretching Sequences

Activity 3, cont.

4.

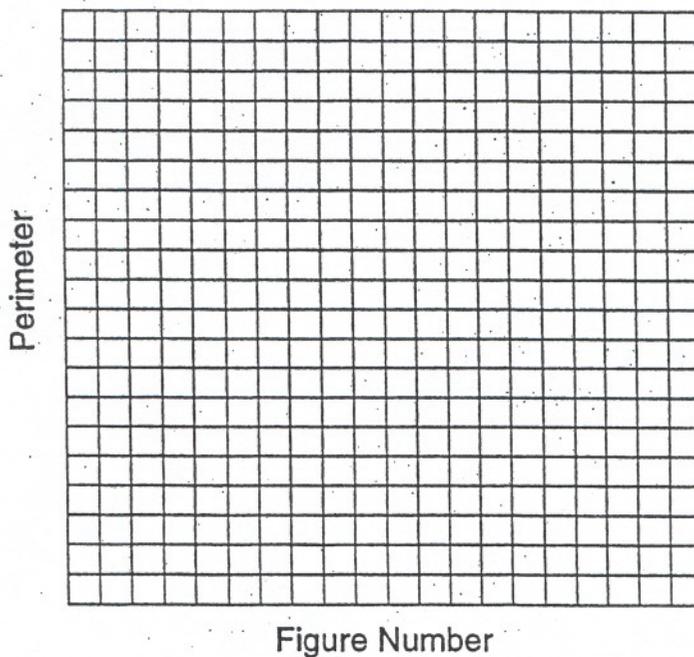
Figure	Figure Number	Perimeter	Process
	1		
	2		
	3		
	4		
	5		
	6		
	10		
	100		
	n		

- How did you find the perimeter of figure 10?
- How did you find the perimeter of figure 100?
- Write a sentence to describe the relationship between the perimeter of the figure and the figure number.
- What rule can you use to find the perimeter of any figure? Check your conjecture with the first few figures.
- How can you use this rule to create an equation to find the perimeter of the 250th figure?

Stretching Sequences

Activity 4, cont.

3. Graph the data from Activity 3, Exercise 3.



4. Graph the data from Activity 3, Exercise 4.

