

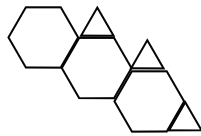
Name: _____ Date: _____

Hexagon Dragons

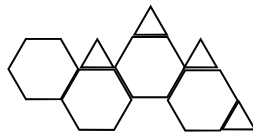
Students in Mr. Bridge’s class are making up their own growing patterns. Miguel uses pattern blocks to make a growing dragon.

- Use pattern blocks to build and draw the next two dragons in this pattern.
- Complete the table of values.
- Predict what the tenth dragon will look like and tell how many blocks you would need to build it. Explain any pattern you used to find this answer.
- CHALLENGE: Miguel would like to figure out how many blocks he would need to build the 25th dragon without actually building it. He knows that there is a pattern to his hexagon dragons. Can you write a rule in words or a math expression that Miguel can use to figure out the total number of blocks for any dragon without having to build it? Explain how your rule works.

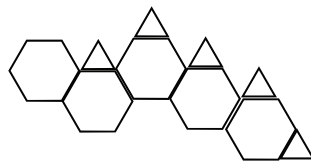
Dragon #1



Dragon #2



Dragon #3



Dragon #	Number of blocks added	TOTAL number of blocks
1	6	$3 + 3 = 6$
2		
3		