Here are some pattern block trees:

1 year old   2 years old 3 years old
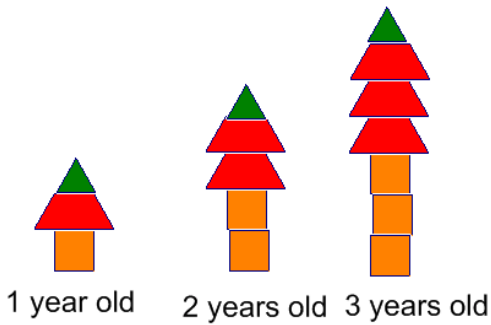
Here are some questions to ask students about pattern block trees:	What grade level is this a good problem for?
1. Build a 4 year old tree from pattern blocks.	_____
2. Count the number of blocks and finish the table:	_____
3. How many blocks would it take to make a 5 year old tree?	_____
4. How many blocks would it take to make a 7 year old tree?	_____
5. How many blocks would it take to make a 20 year old tree?	_____
6. How many blocks would it take to make a 100 year old tree?	_____

years	blocks
1	3
2	5
3	
4	

7. How is this table different from the table in #2? In what ways is it more complicated? Easier?

Years	Which Blocks? How Many?			Total Number of Blocks
1	1 +	1 +	1	3
2				
3				