Name_____ Date_____

Patterns and Relations
Unit 1 Line Master 4a

Representing and Extending Patterns

1. Draw terms 0 to 3 of your pattern and complete the table.

Term number	Term value
0	
1	
2	
3	
4	
5	

2. a) Identify the initial value and constant change of your pattern.

b) Write an algebraic expression to represent your pattern.

c) Assume that your pattern continues.
What is the term value when the term number is 10?
How do you know?

Name_____ Date_____

Patterns and Relations
Unit 1 Line Master 4b

Representing and Extending Patterns (cont'd)

3. a) Use your algebraic expression to determine the value of a term between term 11 and term 20.

b) Write your answer to part a) in the blank space in Question 3 on Master 5. Write your name and your partner's name at the top of Master 5 as the people who created the pattern. Remove the tiles for terms 0, 1, and 5 from your pattern. Leave terms 2, 3, and 4 of your pattern and your copy of Master 5 for another group to explore.