Algebraic Expressions for Representing Patterns

Name _____

Write an algebraic expression (rule) to represent each pattern. Then, sketch one more example for each type of model and write an algebraic expression for each of your examples.
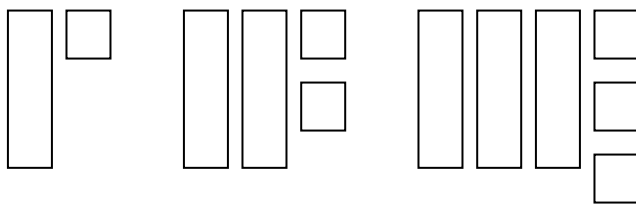
Models and Algebraic Representations

Sequences

2, 4, 6, 8 ...
Rule:

12, 6, 3, 1.5, ...
Rule:

Physical Models

stage 1   stage 2   stage 3
Rule:

•
• •   Stage 1

•
•
• • •   Stage 2

•
•
•
• • • •   Stage 3
Rule:

Tables

a	b
1	2
2	3
3	4
4	5

Rule:

x	y
2	4
3	6
4	8
5	10

Rule: