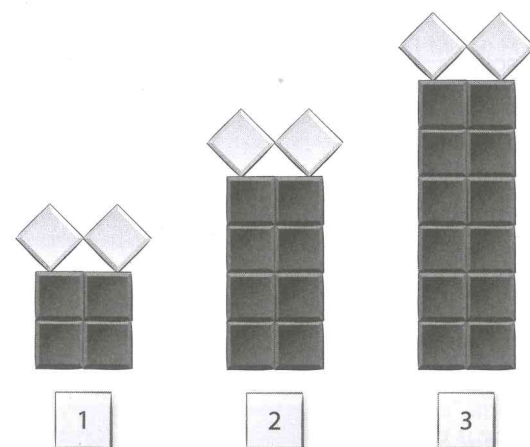


CULMINATING TASK 1

LESSONS 1 TO 4: THINKING ABOUT PATTERN RULES

1. What would the sixth position in this pattern look like?
Sketch your prediction.



2. How many tiles would you need to build the 20th position in this pattern?
How do you know?

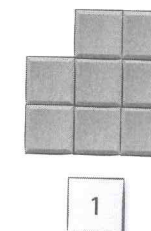
3. How many tiles would you need to build the 100th position in this pattern?
Explain your thinking.

4. What is the rule for this pattern? Justify your answer.

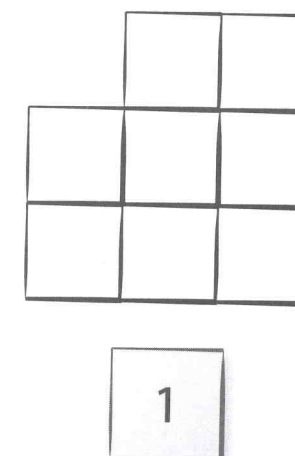
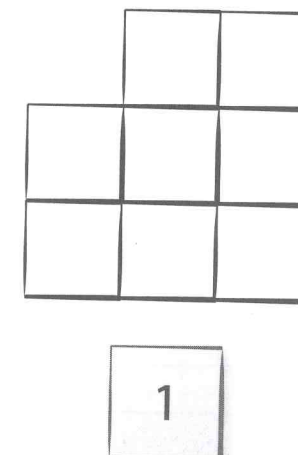
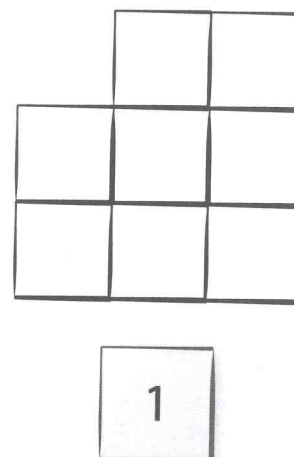
CULMINATING TASK 2

LESSONS 5 TO 8: THINKING ABOUT LINEAR GROWING PATTERNS

1. Position 1 in a pattern is shown at right. List nine possible rules for this pattern. Explain your thinking.



2. Choose three rules that you listed in question 1. Write one rule under each of the following illustrations. Use colours or shading to show the tiles that represent the multiplier and the constant in each rule.



Rule: _____ Rule: _____ Rule: _____

3. Position 3 in the pattern from question 1 is shown at right.
What is the rule for this pattern? Justify your thinking.

