

130 WORKSHEET (1.4)

Name _____

For this activity you will need blocks or tiles in two different colors. A will represent color 1 and B will represent color 2.

For each problem complete the following steps:

- i. Use the blocks or tiles to copy the pattern
- ii. Find the next item in the implied pattern
- iii. Identify the pattern as repeating or growing

1. Lay out your blocks or tiles using the following pattern:

A B A B A B ...

- A. What should the next item in the sequence be?
- B. What type of pattern is displayed?
- C. Extend the original sequence with 4 more blocks or tiles.
- D. Make up your own pattern (of the same basic type). Ask a classmate to describe your pattern.

2. Lay out your blocks or tiles using the following pattern:

A B A A B A A A B ...

- A. What should the next item in the sequence be?
- B. What type of pattern is displayed?
- C. Extend the original sequence with 4 more blocks or tiles.
- D. Make up your own pattern (of the same basic type). Ask a classmate to describe your pattern.

3. Extend the following number sequences based on repeated and growing patterns:

A. 5, 6, 6, 5, 6, 6, 5, 6, 6, _____, _____, _____, _____, ...

B. 1, 1, 2, 1, 1, 3, 1, 1, 4, 1, 1, _____, _____, _____, _____, ...

C. 1, 1, 2, 1, 1, 1, 3, 1, 1, 1, 1, 4, _____, _____, _____, _____,
_____, _____, ...