

PATTERNS

PURPOSE / SKILL: Finding, creating and understanding patterns is the base for much of math.

MATERIALS: The handout provided

INSTRUCTIONS: Follow the instructions on the handout.

POSSIBLE NEXT STEPS and CONNECTIONS to other areas:

- Look for patterns in nature.
- Create your own patterns using drawings, numbers, or objects.
- Paint pictures using patterns.
- Create growing patterns.
- Create shrinking patterns.

Name: _____

Show Me What You Have Learned!

Repeating Patterns

1. Complete the patterns below:



2. What are the pattern rules for these patterns? Circle the core pattern in each one.



Increasing Patterns

3. Complete the patterns below:

38 , 43 , _____ , _____ , _____ , 63 , 68

What pattern? _____

_____ , _____ , 29 , 31 , 33 , 35 , 37

What pattern? _____

18 , 21 , _____ , _____ , _____ , 34 , 37

What pattern? _____

_____ , _____ , 37 , 43 , 49 , 55 , 61

What pattern? _____

13 , 20 , _____ , _____ , _____ , 48 , 55

What pattern? _____

Math Problem Solving Questions

If a hen laid 1 egg on Monday, 2 eggs on Tuesday, 3 eggs on Wednesday and the pattern continued, how many eggs would the hen have laid by the 7th day? What day of the week would it reach 30 eggs?

New houses are being built in Campbell River. They must go in a order, arranged by colour. The pattern is three blue houses in a row, two green in a row, one white, and one brown. Then the pattern continues. What colour house will the 11th house be on the street? What about the 19th?