Number Patterns

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| Grade Level: 1 |
| Mathematics Domain and Cluster:   * Extend the counting sequence. * Use place value understanding and properties of operations to add and subtract. |
| Common Core standard(s) being assessed (if the task is intended to assess only one part of the standard, underline that part of the standard):   * 1.NBT.1: Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral. * 1.NBT.5: Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used. |
| Student Materials:   * Assessment sheet * Pencil |
| Teacher Materials: |
| Directions (for teacher to administer assessment task):   * Make class copies of the assessment * Explain to students the task. * Have students complete independently. |
| Teacher Notes:  Although there is not specific patterning standard in grade 1, this assessment is supported by 1.NBT.1 and 1.NBT.5. This assessment also addresses Mathematical Practice 7 (Look for and make use of structure) |
| Prompt:   * You have been counting a lot this year and you’ve practiced counting in many different ways. * You will show me your counting skills with this assessment. * You need to read the number pattern and complete it. * Under the pattern, tell me what the number pattern is. |
| Correct or Model Answer:   1. 25, 30, 35, 40 Number Pattern: +5 or counting by 5’s 2. 70, 80, 90, 100 Number Pattern: +10 or counting by 10’s 3. 12, 14, 16, 18 Number Pattern: +2 or counting by 2’s 4. 63, 73, 83, 93 Number Pattern: +10 or counting by 10’s |

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| **Scoring Guide/Rubric** (a score should be awarded for each criterion below) | | | |
| **Criteria (CCSS code)** | **0 points** | **1 Point** | **2 Point** |
| Completed the number pattern. (1.NBT.5) | * Completed the number pattern with many errors or no answers at all. | * Completed the number pattern with some errors. | * Completed the number pattern with no errors. |
| Able to determine the number pattern. (1.NBT.5) | * Unable to identify the number pattern | * Partially correct in identifying the number pattern. | * Correctly identifies the number pattern. |
| Reads and writes numbers up to 120. (1.NBT.1) | * Unable to correctly write numbers up to 120. | * Writes numbers up to 120 with some errors (transposes numbers or reversals present). | * Writes numbers up to 120 with no errors. |

Number Patterns

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Complete the pattern.

1. 5, 10, 15, 20, \_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_

What kind of pattern is this? \_\_\_\_\_\_\_\_\_\_\_\_\_

1. 30, 40, 50, 60, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_

What kind of pattern is this? \_\_\_\_\_\_\_\_\_\_\_\_\_

1. 4, 6, 8, 10, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_

What kind of pattern is this? \_\_\_\_\_\_\_\_\_\_\_\_\_

1. 23, 33, 43, 53, \_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_

What kind of pattern is this? \_\_\_\_\_\_\_\_\_\_\_\_\_

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