Activity 11 Assessment
Using Code to Generate Linear Patterns

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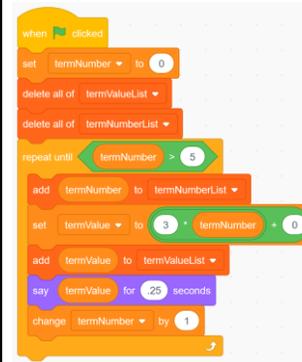| Executes code that is provided and interprets results	Reads and interprets pseudocode, completing or altering as needed	Reads and interprets code, completing or altering as needed	Analyses output data to help solve problems
"When I clicked the green flag, the program output the numbers 0, 3, 6, 9, 12, 15 in a list. The terms in this pattern increase by 3 each time."	(see pseudocode below)		"The output of the code gives me lots of data about the cost to buy different numbers of records. I can see that the price per record drops really quickly to begin with, but then more slowly. To make it worthwhile to pay the high shipping fee, I would buy at least 30 records. After 30, the unit price decrease isn't as good. Since Ty is buying for a business, they will likely find lots of albums to purchase."

Column 2 pseudocode:

```
clear mypattern[]
number = 0
repeat 10 times
    output number
    add number to mypattern[]
    change number by 3
end repeat
```

"This pseudocode is for a program to output 10 terms of a pattern that starts with 0 and increases by 3 each time. To output a pattern that increases by 4 each time, replace the 3 in the change **number** line to 4."

Column 3 text:

"This code will display 6 terms of a pattern that starts at 0 and increases by 3 each time. To display 6 terms of a pattern that starts at 1 and increases by 5 each time, leave the **repeat until** block the same but change the expression in the **set termValue** block to **5*termNumber + 1**."

Observations/Documentation