*How Much Does Diego Need?*

**Patterning and Algebra**

**Unit 1 Line Master 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number of Children** | **Number of Paper Towel Rolls** | **Number of Feathers** | **Number of Pieces of Craft Paper** | **Number of Dried Beans** |
| 1 | 1 | 4 | 3 | 10 |
| 2 | 2 | 8 |  |  |
| 3 | 3 |  | 9 |  |
| 4 | 4 |  | 12 | 40 |
|  |  |  |  |  |
|  |  |  |  |  |

Complete the table.

Identify the pattern rule for each type of material.

Write a mathematical expression for each pattern.

Use each expression to determine how much of each material   
is needed for 50 children.