*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 rule that relates the number of children to each type
of material.

Write an algebraic expression for each rule.

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