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| **Making Graphs Behaviours/Strategies** | | | |
| Student has difficulty sorting the objects into three groups. | Student places objects or draws pictures in groups on the graph. | Student sorts in lines, but objects or pictures are not equally spaced and aligned. Pictures may be of different sizes. | Student sorts in lines, all pictures are about the same size, and objects or pictures are equally spaced and aligned. Graph has a title and labels. |
| **Observations/Documentation** | | | |
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| **Reading Graphs Behaviours/Strategies** | | | |
| Student has difficulty counting the number of objects in a column. | Student makes a pictograph or concrete graph but has difficulty reading data from the graph (e.g., “Which column has the most pictures or objects?”). | Student reads data from the graph but has difficulty comparing the data. | Student answers “how many” questions about the graph and compares data using terms such as “more,” “fewer,” “most,” and “least.” |
| **Observations/Documentation** | |  | |
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| Big Idea | | | | | Indicators From Learning Progression | | | | |
| Curriculum Expectations addressed | | | | | | | | | |
| Student Names |  |  |  |  |  |  |  |  |  |
| Student can read and interpret concrete graphs and pictographs. **(Activities 1–4)** |  |  |  |  |  |  |  |  |  |
| Student can sort objects using one attribute.  **(Activities 2, 4)** |  |  |  |  |  |  |  |  |  |
| Student can collect and organize data. **(Activities 2–4)** |  |  |  |  |  |  |  |  |  |
| Student can display collected data on pictographs or concrete graphs.  **(Activities 2–4)** |  |  |  |  |  |  |  |  |  |
| Student can formulate and answer questions about their graphs.  **(Activities 1–4)** |  |  |  |  |  |  |  |  |  |
| Student can compare data shown on graphs.  **(Activities 1–4)** |  |  |  |  |  |  |  |  |  |
| Student can use math language when describing and comparing data.  **(Activities 1–4)** |  |  |  |  |  |  |  |  |  |

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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|  | **Not Observed** | **Sometimes** | **Consistently** |
| Reads and interprets concrete graphs and pictographs. **(Activities 1–4)** |  |  |  |
| Sorts objects using one attribute.  **(Activities 2, 4)** |  |  |  |
| Collects and organizes data.  **(Activities 2-4)** |  |  |  |
| Displays collected data on pictographs or concrete graphs.  **(Activities 2-4)** |  |  |  |
| Formulates and answers questions about graphs.  **(Activities 1–4)** |  |  |  |
| Compares data shown on graphs.  **(Activities 1–4)** |  |  |  |
| Uses math language when describing and comparing data.  **(Activities 1–4)** |  |  |  |

Strengths:

Next Steps: