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|  | **Day 1**  **Monday** | **Day 2**  **Tuesday** | **Day 3**  **Wednesday** | **Day 4**  **Thursday** | **Day 5**  **Friday** |
| **Lesson** | Use Bar Graphs | Problem Solving, Organize Data | Use Picture Graphs | Make a Picture Graph | Midpoint Test |
| **Essential Question** | How can you read and interpret data in a bar graph? | How you can you use the strategy make a table to organize data and solve problems? | How and you read and interpret data in a picture graph? | How can you draw a picture to show data in a table? |  |
| **Objective** | **Read and interpret data in a scaled bar graph.**  **Standards: 3.MD.B.3** | Organize data and tables and solving problems by using the strategy make a table.  **Standards: 3.MD.B.3** | Read and interpret data in a scaled picture graph.  **Standards: 3.MD.B.3** | Draw a scaled picture graph to show data in a table.  **Standards: 3.MD.B.3** |  |
| **Vocabulary** | **Bar graph, horizontal bar graph, scale, vertical bar graph** | **frequency table** | **key, picture graph** | **Review** |  |
| **Engage** | TW guide students with questions from the learning activity about cacti. Students will use their computer to solve the interactive essential question. Page 107B tm. | SW answer essential question.  TW introduce activity and model.  TW guide lesson with directed questions. | SW analyze a picture graph and discuss vocabulary. | TW explain and review the terms title, key, and picture graph.  SW make connections.  SW will complete interactive essential question. |  |
| **Explore** | TW use pages 107-108 to gauge student understanding and guide instruction.  SW complete pages 107-108  Tw use guided questions to check for understanding and to determine area of concern. | TW model problem solving pages 87-88.  SW complete pages 87-88.  TW guide lesson with questions; monitor & assess | SW complete page 94 on their own.  TW monitor and assist. | SW complete pages 99-100.  SW explore frequency tables and picture graphs.  SW chose symbols to create a picture graph and frequency table. | SW work on Khan Academy and Think Central. |
| **Explain** | TW/SW use math talk to focus on student understanding of comparing data on bar graphs. | TW complete pages 89-90 and explain their thinking to a partner. | SW use math boards to explain their thinking.  SW complete page 95-96. | SW create a graph and explain the results for the number of green marbles.  SW independently and complete page 101. | . |
| **Elaborate** | SW complete pages 109-110  SW be able to analyze how changing the data will affect the graph.  Tw monitor if students can explain how the bar graph will change. | SW analyze questions on pages 89-90 and compare to data on pages to the tables. | SW will describe how they will use the picture graph to solve the problem. | SW complete Exercise 7 and make a picture graph for the data in the table.  SW complete remaining problems. |  |
| **Evaluate** | SW answer the essential question in their math journal.  SW complete exit slip of questions generated from page 110 in tm. | SW answer Essential Question in Math Journal and give an example when they would make a frequency table. | SW answer Essential Question in Math Journal.  SW will complete Exit Slip. | SW answer Essential Question in Math Journal and describe why it might not be a good idea to use a key where each symbol stands for 1 in a picture graph. |  |
| **Homework** | Worksheet bar graphs | Pages 91-92 | Pages 97-98 | Pages 103-104 | Study times tables |