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| **Topic: Graphs and when we use them.** | **Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Period:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| When should we use line graphs? | We use the \_\_\_\_\_\_\_\_\_\_\_\_ graph to show changes over time. Example: Rain amounts in January, February, March, April, etc.

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| --- | --- |
| Rain Amount | Month |
| 5 inches | January |
| 2 inches | February |
| 2 inches | March |
| 8 inches | April |

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| When should we use bar graphs? | We use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ graph to compare data.Example: What language do you speak?

|  |  |
| --- | --- |
| Language | Number of people |
| Spanish | 3 |
| Karen | 10 |
| Thai | 2 |
| Swahili | 4 |

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| When should we use double bar graphs? | We use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ graph to compare two sets of data.Example: What are the girls’ favorite sport? What are the boys’ favorite sport?

|  |  |  |
| --- | --- | --- |
| Favorite Sport | Boys | Girls |
| Hockey | 3 | 1 |
| Football | 5 | 8 |
| Soccer | 15 | 21 |

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| When should we use pie charts/circle graphs? | We use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to show parts to a whole.Example: What languages do students speak at school 45?

|  |  |
| --- | --- |
| Language | Number of students |
| Burmese | 14 |
| Thai | 3 |
| Spanish | 10 |
| Swahili | 2 |

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| When should we use pictographs? | We use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to show images to represent data.Example: How many pieces of pizza can you eat?

|  |  |
| --- | --- |
| Number of pieces of pizza | Number of students |
| 0 | 3 |
| 1 | 3 |
| 2 | 7 |
| 3 | 7 |

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| When should we use stem and leaf plots? | We use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to show larger sets of information.Example: How did students do on the math test?

|  |  |
| --- | --- |
| Stem | Leaf |
| 0 | 3 |
| 1 | 3, 5, 7, 9 |
| 2 | 7, 8, 9 |
| 3 | 7, 8,  |

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