NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Learning Targets: Scatter Plots**

**8th Grade**

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|  | **Scatter Plots** |  |  |  |
| 1. | I can construct a scatter plot. |  |  |  |
| 2. | I can interpret a scatter plot that has a clustering pattern. |  |  |  |
| 3. | I can interpret a scatter plot that has outliers. |  |  |  |
| 4. | I can interpret a scatter plot that has a positive correlation. |  |  |  |
| 5. | I can interpret a scatter plot that has a negative correlation. |  |  |  |
| 6. | I can interpret a scatter plot that has a linear relationship. |  |  |  |
| 7. | I can interpret a scatter plot that has a non–linear relationship. |  |  |  |
| 8. | I can interpret a scatter plot that has no correlation. |  |  |  |
| 9. | I can draw a line of best fit (trend line) for a scatter plot that suggests a linear relationship. |  |  |  |
| 10. | I can explain whether or not a line of best fit represents the data well. |  |  |  |
| 11. | I can write a linear equation representing the line of best fit (trend line). |  |  |  |
| 12 | I can use a linear equation representing the line of best fit (trend line) that I wrote to solve problems about the given situation. |  |  |  |
| 13. | I can create a table and compare two characteristics collected from the same subjects. |  |  |  |
| 14. | I can use a linear equation representing the line of best fit (trend line) that I wrote to interpret the meaning of the slope and the y-intercept about the given situation. |  |  |  |

**8th Grade Vocabulary: Scatterplots**

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| Word  ***Scatterplot*** | Definition |
| Example | Non- Example |
| Synonym | Picture |

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| --- | --- |
| Word  ***outlier*** | Definition |
| Example | Non- Example |
| Synonym | Picture |

|  |  |
| --- | --- |
| Word  ***Positive correlation*** | Definition |
| Example | Non- Example |
| Synonym | Picture |

|  |  |
| --- | --- |
| Word  ***Negative Correlation*** | Definition |
| Example | Non- Example |
| Synonym | Picture |

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| --- | --- |
| Word  ***Line of Best Fit*** | Definition |
| Example | Non- Example |
| Synonym | Picture |