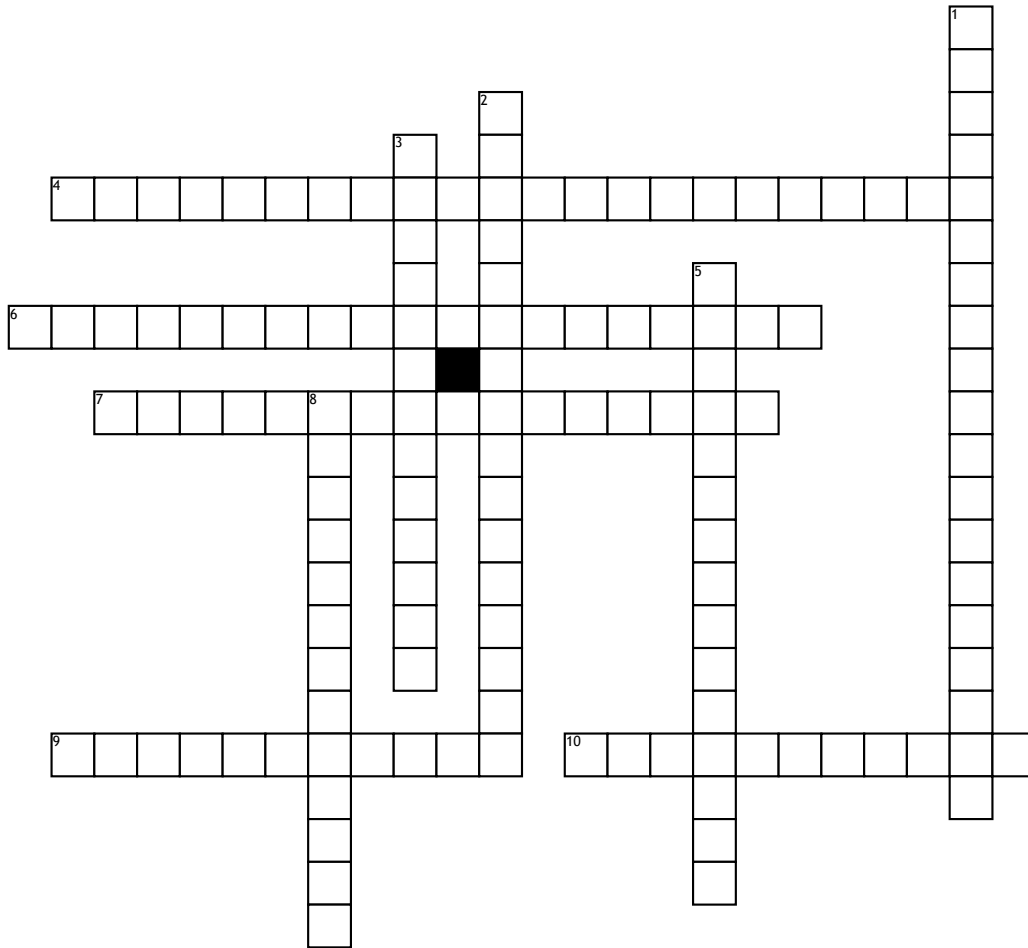


Unit 4 Writing Linear Equations



Across

- 4. A number that measures the strength and direction of the correlation between two variables
- 6. The two quantities show that they both increase or decrease together
- 7. Value(s) that will make a linear equation, inequality true and fall within the constraints of the problem
- 9. When two quantities show that there is a relationship between the two; it can be linear, quadratic or exponential
- 10. A graph of plotted points that shows the relationship between two variables or quantities

Down

- 1. The two quantities show that as one increases the other decreases
- 2. Attempts to model the relationship between two variables by fitting a linear equation to the data (scatter plot)
- 3. Is a straight line that best represents the data on a scatter plot
- 5. A relationship between two variables in which one is the multiple of the other
- 8. The two quantities show there is not relationship between the two.

Word Bank

- | | | |
|-------------------------|----------------------|----------------------|
| Correlation | Line of best fit | Reasonable Values |
| Correlation Coefficient | Scatter plot | Linear Regression |
| Direct Variation | Positive Correlation | Negative Correlation |
| No Correlation | | |