Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Math Mini Quiz 3

This Mini Quiz, we’re going to explore the math concepts that you’ve learned so far in this unit. This assignment should take you about **15 minutes**.

1) Below, there are two different datasets. One makes more sense to represent as a scatter plot and the other makes more sense to represent in a two-way table. In the Space below, decide which dataset should go with which type of chart and make that chart.

| ***Teacher ages and the salaries:***  Darcy is 29 years old makes $50,000; Vanessa is 33 years old makes $53,000; Rosa is 42 years old and makes $60,000; Jimmy is 24 years old: $41,000; Jenna is 22 years old makes $40,000; Fatima is 34 years old and makes $50,500; Joseph is 25 years old and makes $47,000; Maya is 39 years old and makes $59,000. |
| --- |
| ***Teacher dietary preferences and astrology signs***  Darcy is a vegetarian and a Scorpio; Vanessa has no dietary restrictions and is a Capricorn; Rosa is a vegetarian and a Capricorn; Jimmy is a vegetarian and a Ccorpio; Jenna has no dietary restrictions and is an Aries; Fatima has no dietary restrictions and is a Capricorn; Joseph is a vegetarian and a Scorpio; Maya is a vegetarian and a Capricorn. |

Put your two-way table here:

Make your scatter plot here:



2) Why did you choose to make the charts the way you did?

3) Think of the correlation coefficient between teacher ages and salaries. Give a rough estimate of the value and explain why you chose it.

4) (a) Of the Scorpios, what percentage are vegetarians? (b) Of the Capricorns, what percentage are vegetarians? (c ) Are there more Scorpio vegetarians or more Capricorn Vegetarians? Is a higher percentage of Scorpios or Capricorns vegetarian? (d) Of the total population, what percentage is vegetarian?