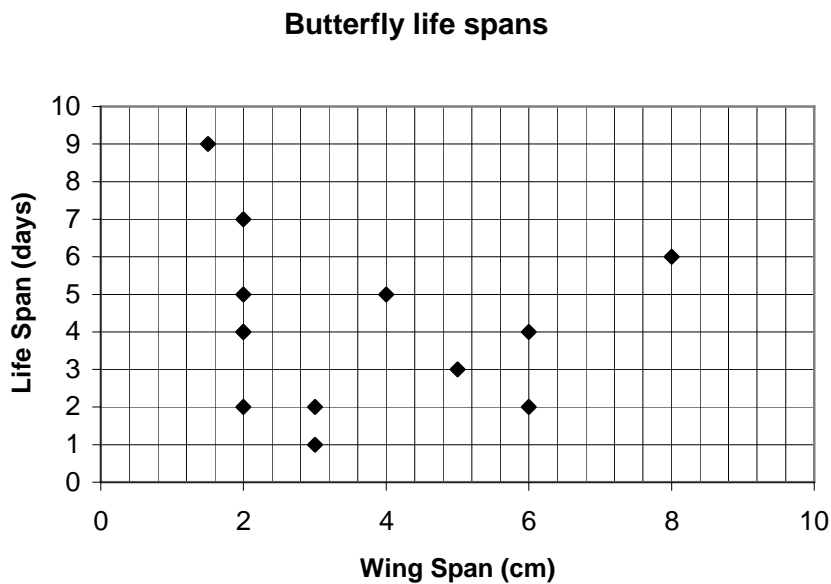


PROBLEM-OF-THE-DAY: ALGEBRA 1**WEEK:** December 10 to December 14**Day:** Thursday

RISD Objective: Given a scatter plot, students will be able to determine the correlation, draw a line of best fit, and use it to make a prediction.

PROBLEM #76

The following scatter plot shows data collected on butterflies wingspan and how long they live:



- Describe the correlation.
- Draw a line of best fit
- Predict how long a butterfly with a wing span of 5 cm would live.

MODEL SOLUTION #76

- a) There is no correlation of the data
- b) Because there is no correlation, it is not possible to draw a line of best fit.
- c) Because there is no line of best fit, it is not possible to predict the life span of the butterfly.