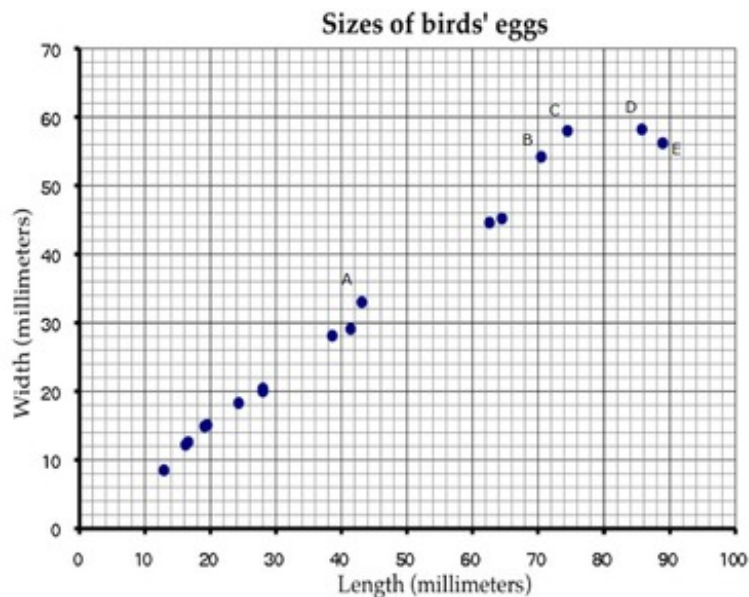


## 8.SP Birds' Eggs

### Task

This scatter diagram shows the lengths and widths of the eggs of some American birds.



- A biologist measured a sample of one hundred Mallard duck eggs and found they had an average length of 57.8 millimeters and average width of 41.6 millimeters. Use an X to mark a point that represents this on the scatter diagram.
- What does the graph show about the relationship between the lengths of birds' eggs and their widths?
- Another sample of eggs from similar birds has an average length of 35 millimeters. If these bird eggs follow the trend in the scatter plot, about what width would you expect

these eggs to have, on average?

d. Describe the differences in shape of the two eggs corresponding to the data points marked C and D in the plot.

e. Which of the eggs A, B, C, D, and E has the greatest ratio of length to width? Explain how you decided.



8.SP Birds' Eggs

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