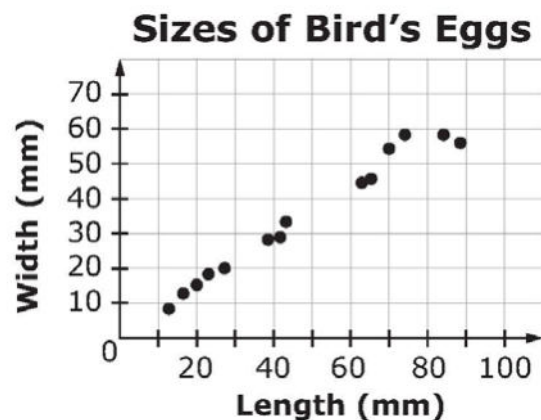


Grades 6-8, Claim 4

Example Item 4E.1a (Grade 8)

Primary Target 4E (Content Domain SP), Secondary Target 1J (CCSS 8.SP.A), Tertiary Target 4D, Quaternary 4B

This scatter plot shows the lengths and the widths (in millimetres) of the eggs of some American birds.



Use the information in the scatter plot to support each answer.

Part A

The scatter plot shows an association between the length of a bird egg and its width. Describe that association.

Part B

Fossils show that dinosaur eggs closely resemble the shape of bird eggs. One type of dinosaur (sauropods) grew from eggs that were 180 millimeters in length.

Assume that sauropod eggs were the same shape as bird eggs. What is the approximate width, in millimeters, of sauropod eggs? Explain how you determined your answer.

Rubric: (2 points) The student is able to answer both parts correctly and provide sufficient explanation/support for the answer to *Part B*.

(1 point) The student only answers one part correctly.