**4.*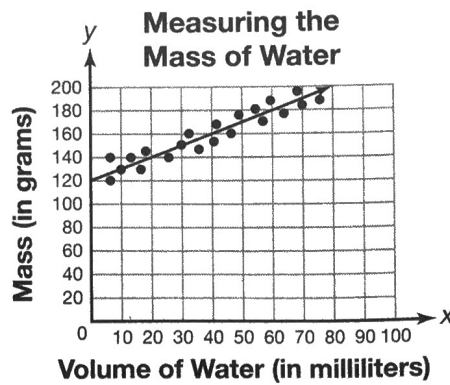* A science class conducted an experiment in which groups of students weighed various volumes of water. Each group filled one plastic beaker with a certain volume of water. Each group placed its beaker of water on a scale and plotted the reading on the scatter plot below.
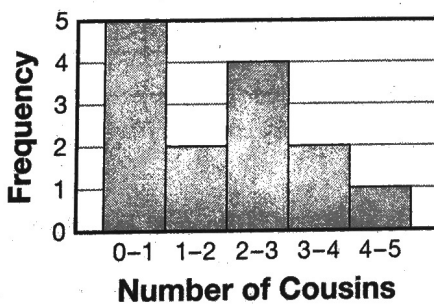
Measuring the Mass of Water

The equation of the line of best fit is $y = x + 120$. What does the y-intercept of this equation represent?

A. the minimum volume of water measured

B. the mass of the beaker

C. the mass of the scale

D. student error

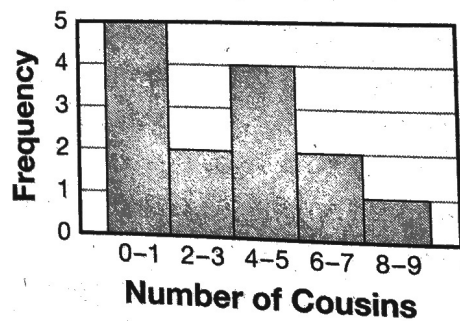**5.** A class survey asked students how many first cousins they have. The responses are listed below.

6, 2, 0, 9, 0, 6, 1, 4, 4, 5, 1, 3, 8, 9, 4, 8, 7

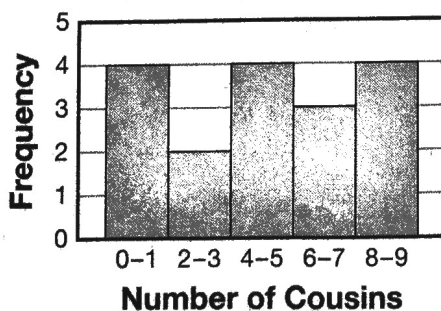Which histogram best represents the results of the survey?

A. Frequency of Cousins

Number of Cousins

C. Frequency of Cousins

Number of Cousins

B. Frequency of Cousins

Number of Cousins

D. Frequency of Cousins

Number of Cousins

Go On