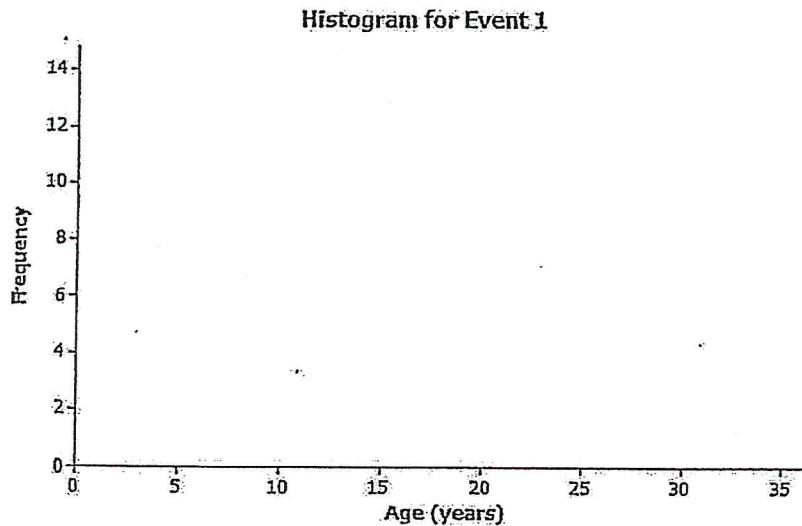---

Lesson Summary

Statistics is about data. Graphs provide a representation of the data distribution and are used to understand the data and to answer questions about the distribution.

Problem Set

1. Twenty-five people were attending an event. The ages of the people are as follows:

   3, 3, 4, 4, 4, 4, 5, 6, 6, 6, 6, 6, 6, 6, 7, 7, 7, 7, 7, 7, 16, 17, 22, 22, 25.

   a. Create a histogram of the ages using the provided axes.

   ### Histogram for Event 1

   b. Would you describe your graph as symmetrical or skewed? Explain your choice.

   c. Identify a typical age of the twenty-five people.

   d. What event do you think the twenty-five people were attending? Use your histogram to justify your conjecture.