Question 11: Multiple-Choice

Rule of 4 Link Sheet: 2007, Mathematics - Grade 7

Reporting Category: Data Analysis, Statistics, and Probability

Standard: 7.D.1 - Select, create, interpret, and utilize the following tabular and graphical representations of data:

circle graphs, Venn diagrams, stem-and-leaf plots, tables, and charts.

Verbal Description	Venn Diagram
Heather asked her classmates if they went to a movie, a play, a concert, or any combination of those events during the last month. The Venn diagram represents her data.	Movies Plays  15 2 5  1 1 1 1  Concerts
Interpreting the data:	Analysis
<ol> <li>How many students attended all three events?</li> <li>How many students attended only movies?</li> <li>Write two more questions from the data and include your answers. Be able to defend your questions and answers.</li> </ol>	Based on the diagram, what is the total number of Heather's classmates who went to a concert during the last month?  A. 3 B. 4 C. 5 D. 6