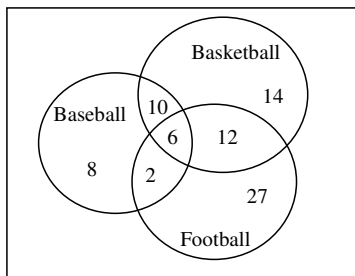


14B Evaluate the effectiveness of different representations to communicate ideas

1. Which type of graph would be most appropriate to display a family budget?

- A histogram
- B stem-and-leaf plot
- C circle graph
- D line graph

2. A survey asked 100 students which sports they play. The results are shown in the diagram below.



Which is a valid conclusion that could be made from this diagram?

- A There were 13 more students who play football than basketball.
- B There were 16 students who play both basketball and baseball.
- C There were only 8 students who play baseball.
- D There were 30 students who play all 3 sports.

3. This table shows the boiling point of water at different elevations.

Elevation (ft)	Boiling Point (°F)
2500	194
1000	207
0	212
-200	214

Which statement can be supported by the data in the table?

- A As the elevation increases, the boiling point of water decreases.
- B As the elevation decreases, the boiling point of water decreases.
- C At elevations greater than 2500 ft., the boiling point of water is above 194°F.
- D As the elevation increases, the boiling point of water increases.

4. Which expression is the same as the sum of a number and 3 times that number?

- A $n \times 3n$
- B $3n \div n$
- C $3n - n$
- D $n + 3n$

