

Chapter 12 Problems of the Week Answers

1. **a)** 12
b) Answers may vary. Example: $-8, -6, 3, 4, 6, 7, 8, 9, 12, 13, 17, 19$
2. 174 **3.** 33 and 35
4. Answers may vary. Example:
 - The mean would help estimate the number of bottles consumed by the whole school or individual classes.
 - The mode would show the most common number of bottles consumed by a student.
 - The median would separate the students into those who consume more water and those who consume less water.
5. Mode, because it tells the exact number of the most popular size that was sold last year
6. Mean, because the median and the mode would not produce a decimal figure.
7. **a)** even **b)** even
8. **a)** odd **d)** even
9. 0.133 **10.** 16