## Concepts in Statistics   Answers
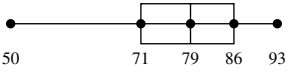
**1.**
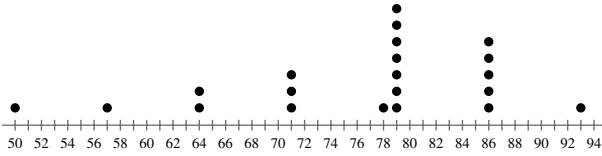


**2. a.** About 76.3

**b.** 79

**c.** 79

**d.** About 10.36

**3.**



**4.** 0.3821

**5.**

| Beginning of year | Stem | End of year |
|---|---|---|
| 0 7 | 5 | |
| 4 4 | 6 | 8 |
| 9 9 9 9 9 9 9 8 1 1 1 | 7 | 1 8 9 9 9 |
| 6 6 6 6 6 | 8 | 3 4 5 5 6 7 8 9 |
| 3 | 9 | 3 3 3 3 3 5 8 |

Key: 4|6|8 = 64 at the beginning of the year, 68 at the end of the year

End of year scores

**6.** *Sample answer*: The *y*-axis does not start at zero, so the scores appear to be 5 times as great.