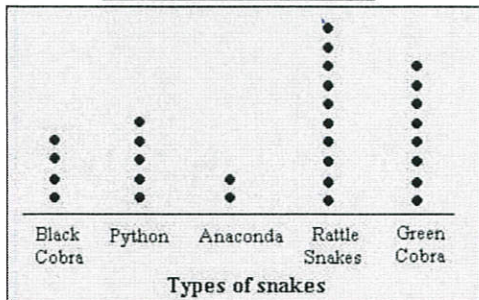


Chapter 11 Practice Quiz

For Exercises 1 and 2, use the dot plot which shows the number of snakes in a zoo.

Work must be shown!

Number of Snakes in a Zoo



median
2 4 5 8 10

4 5 2 10 8

1. What is the range of the data?

$10 - 2$

2. Find the mean, median, and mode.

$$\text{mean } \frac{2+4+5+8+10}{5} = \frac{29}{5} = 5.8$$

1. 8
2. $\frac{\text{mean } 5.8}{5}$ } Median 5 | No Mode

Find the mean for each set of data.

3. cost of tennis shoes: \$54, \$67, \$61, \$53, \$65

$$\frac{54+67+61+53+65}{5} = \frac{300}{5} = 60$$

3. 60

4. ages of students' dogs: 7, 4, 2, 3, 9, 11, 7

$$\frac{7+4+2+3+9+11+7}{7} = \frac{43}{7} \approx 6.14$$

4. ≈ 6.14

5. weights of cats at a pet store in pounds: 3, 11, 9, 5, 8

$$\frac{3+11+9+5+8}{5} = \frac{36}{5} = 7.2$$

5. 7.2

6. cost of DVDs: \$10, \$5, \$19, \$25, \$15

$$\frac{10+5+19+25+15}{5} = \frac{74}{5} = 14.8$$

6. 14.8

For Exercises 7-9, use the following set of data.

TEMPERATURE The temperature in Georgia was recorded for 6 days in November. The temperatures were 65°, 61°, 70°, 76°, 70°, and 62°.

7. What is the mean for the data?

$$\frac{65+61+70+76+70+62}{6} = \frac{344}{6} = 67\frac{1}{3}$$

7. $67\frac{1}{3}$

8. What is the median for the data?

61 62 65 70 70 76

8. 67.5

9. What is the mode for the data?

$$\frac{65+70}{2} = \frac{135}{2} = 67.5$$

9. 70