

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find the median and mean for each data set.**

- 1) Games per World Series  
 6 6 5 6 6 7 7 7  
 5

- A) Median = 6 and Mean = 5.78
- B) Median = 6 and Mean = 6.11
- C) Median = 5 and Mean = 5.56
- D) Median = 6 and Mean = 5.67

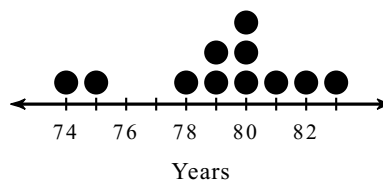
- 2) Single Family Home Prices  
 161,200 167,200 152,600 165,700  
 187,300 171,300 152,500 184,000  
 177,800 170,100

- A) Median = 521,200 and Mean = 516,850
- B) Median = 168,650 and Mean = 168,970
- C) Median = 509,500 and Mean = 510,810
- D) Median = 332,300 and Mean = 329,400

- 3) Mens Heights (Inches)  
 69 74 74 69 73 67 65  
 74 66

- A) Median = 69 and Mean = 70.11
- B) Median = 69 and Mean = 68.11
- C) Median = 72 and Mean = 71.56
- D) Median = 68 and Mean = 69.78

- 4) Life Expectancy by State



- A) Median = 78.6 and Mean = 78.8
- B) Median = 80.1 and Mean = 79.68
- C) Median = 80 and Mean = 79.18
- D) Median = 81 and Mean = 80.18

**Find the mode and range for each data set.**

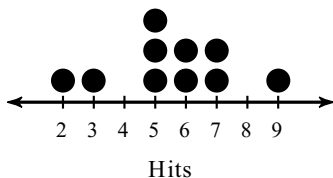
- 5) Games per World Series  
 5 7 7 5 5 4 5 7  
 5

- A) Mode = 7 and Range = 3
- B) Mode = 4 and Range = 3
- C) Mode = 7 and Range = 2
- D) Mode = 5 and Range = 3

- 6) Minutes to Run 5km  
 19.1 34.6 32.4 30.2 27.8  
 37.3 27.8 31.4 33.2 42.1

- A) Mode = 26 and Range = 16.2
- B) Mode = 27.8 and Range = 23
- C) Mode = 28 and Range = 9.7
- D) Mode = 27.3 and Range = 23

7) Hits in a Round of Hacky Sack



- A) Mode = 4 and Range = 13
- B) Mode = 5 and Range = 7
- C) Mode = 6 and Range = 13
- D) Mode = 5 and Range = 13

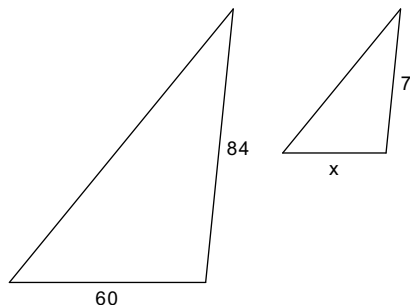
8) Age at First Job

|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 23 | 15 | 21 | 22 | 14 | 16 | 15 |
| 12 | 15 |    |    |    |    |    |

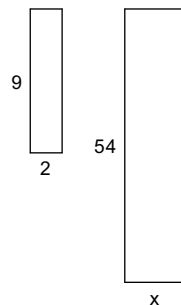
- A) Mode = 11 and Range = 12
- B) Mode = 15 and 17 and Range = 10
- C) Mode = 17 and Range = 9
- D) Mode = 15 and Range = 11

**Each pair of figures is similar. Find the missing side (x). Also find the scale factor (SF) from left to right.**

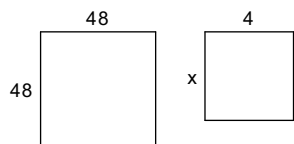
9)



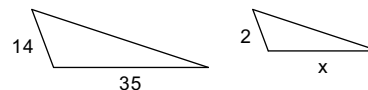
10)



11)



12)



**Find the probability of each event.**

13) Find the probability of rolling a die and getting a 5.

- A)  $\frac{5}{6}$
- B) 6
- C)  $\frac{1}{6}$
- D) 1

14) Find the probability of rolling a die and getting an even number.

- A)  $\frac{1}{3}$
- B)  $\frac{1}{2}$
- C)  $\frac{1}{6}$
- D) 3

15) Find the probability of rolling a die and getting a number that is more than 2.

- A)  $\frac{2}{3}$
- B)  $\frac{1}{6}$
- C)  $\frac{1}{3}$
- D)  $\frac{5}{6}$

16) Find the probability of rolling two dice and getting a four on each die.

- A)  $\frac{1}{12}$
- B)  $\frac{1}{36}$
- C)  $\frac{1}{3}$
- D)  $\frac{2}{12}$

**A jar has 20 cookies in it: 4 are chocolate, 10 are peanut butter, and 6 are sugar cookies. Find each probability for each if one cookie is drawn at random.**

17) P(chocolate)

- A)  $\frac{2}{5}$
- B) 4
- C)  $\frac{1}{5}$
- D)  $\frac{1}{4}$

18) P(sugar)

- A)  $\frac{3}{10}$
- B)  $\frac{3}{8}$
- C) 6
- D)  $\frac{1}{6}$

19) P(chocolate or peanut butter)

- A)  $\frac{1}{14}$
- B)  $\frac{7}{10}$
- C)  $\frac{3}{7}$
- D)  $\frac{3}{10}$

20) P(oatmeal)

- A) 1
- B)  $\frac{1}{20}$
- C)  $\frac{1}{5}$
- D) 0