Statistics Practice Test

Calculations: For each of the following data sets calculate the mean, median, mode, and range.

16	24	51	43	~~12~~	24	31	27	19
12	16	19	24	(24)	27	31	43	51

Range:

$$51 - 12 = 39$$

Mode: 24

Mean:

$$(12+16+19+24+24+27+31+43+51) \div 9$$
$$= 27.\overline{4}$$

Median: 24

~~215~~	(125)	512	~~215~~	~~215~~	~~251~~	~~251~~	512	~~215~~	512
~~251~~	~~215~~	~~251~~	512	(125)	~~215~~	(125)	~~251~~	512	(125)

125 125 125 125 215 215 215 215 215 (215)
251 251 251 251 251 512 512 512 512 512

Range:

$$512 - 125 = 387$$
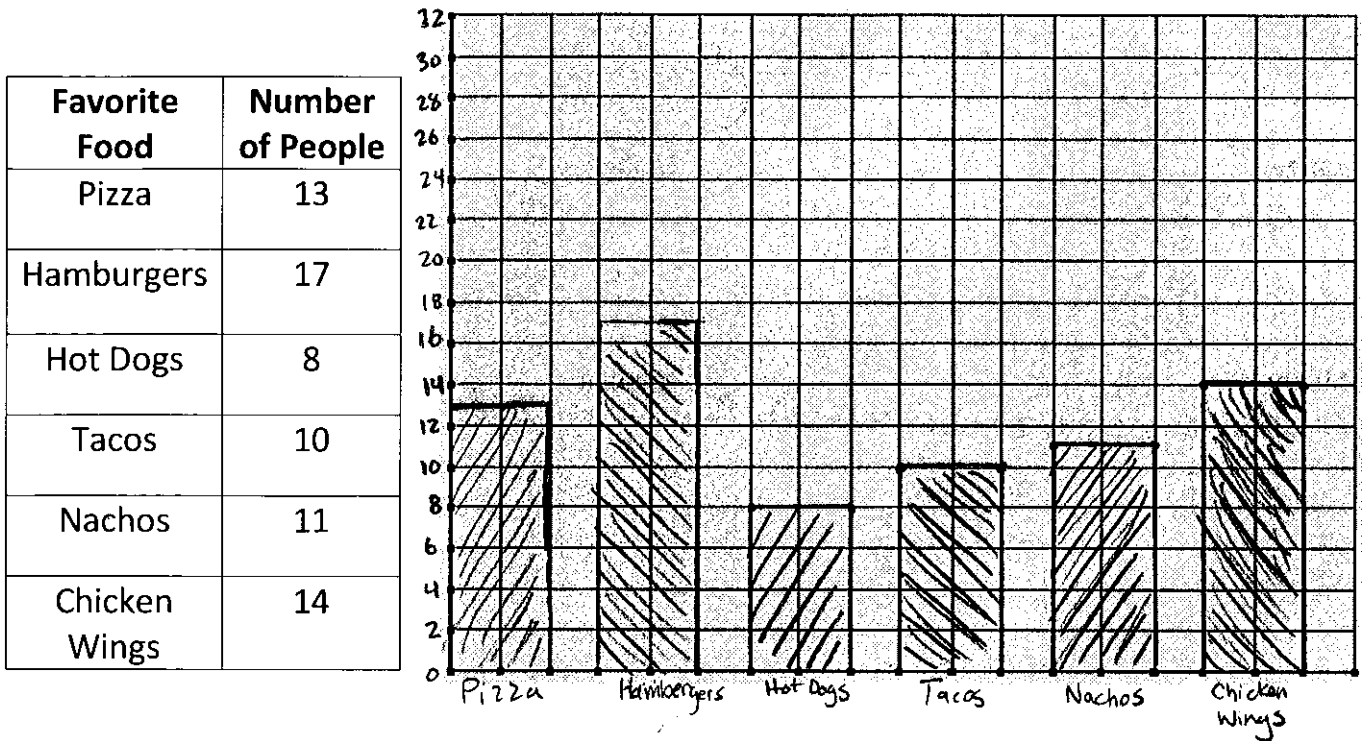
Mode: 215

Mean:

$$5605 \div 20$$
$$= 280.25$$

Median:

$$\frac{215 + 251}{2} = 233$$
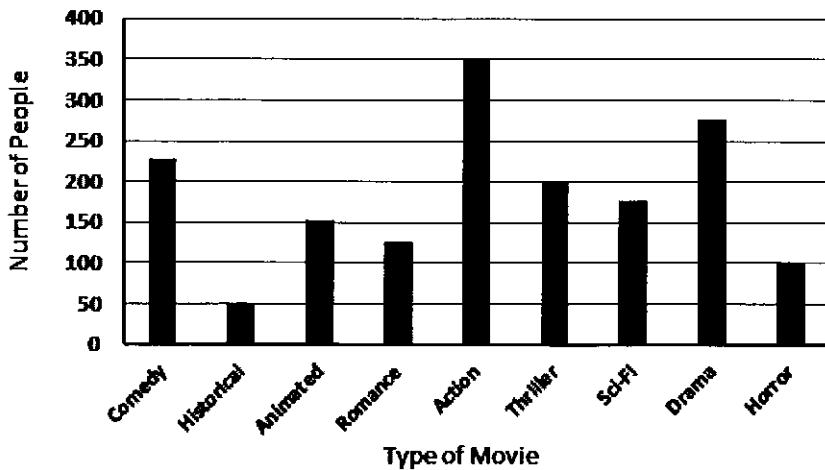
Statistics Practice Test

Bar Graphs:

Using each of the following sets of data, create a bar graph that will accurately represent the information. Use a Ruler! and fully label your graphs. **Neatness counts!!**

Favorite Food	Number of People
Pizza	13
Hamburgers	17
Hot Dogs	8
Tacos	10
Nachos	11
Chicken Wings	14

Look at each of the following graphs, and fill out the tables provided:

People's Favorite Types of Movies

Type of Movie	Number of People
Comedy	225
Historical	50
Animated	150
Romance	125
Action	350
Thriller	200
Sci-Fi	175
Drama	275
Horror	100

1. **How many people participated in this survey**

   1650

2. **What is the least popular type of movie?**

   Historical

3. **What is the most popular type of movie?**

   Action