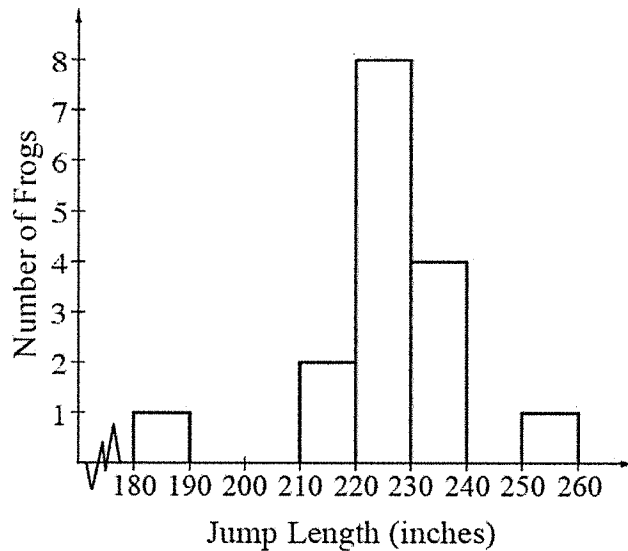
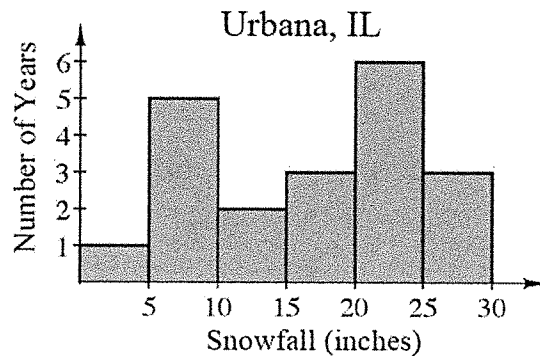


- **1-25.** Different ways of presenting data can tell you different things. For example, some of your questions might have been easy to answer with an organized table of data. However, other questions can be easier to answer if the data is arranged in a different way, such as in a **histogram** like the one shown below.



- Look carefully at the graph. Use it to try to answer the questions below.
 1. Between which two numbers on the graph did the most frogs jump? Give as narrow a range as you can
 2. Typical frogs jump between what two jump lengths? Give as narrow a range as you can.
 3. Were there any unusually long or short jumps? If there were, how long were they?
 4. How many frogs are represented on this histogram?
 5. Half the frogs jumped less than how many inches?

- **1-29.** Use the histogram below to answer the following questions. The histogram contains the amount of snowfall in Urbana, IL during winter from 1990 – 2009.



1. Which range of snowfall measurements occurred most often? Give as narrow a range as you can.
2. Were there any years with unusually high or low snowfall amounts? Which one or ones?
3. Half of the years had snowfall amounts above how many inches?

- **1-30.** Copy the number patterns below and write the next four numbers in the pattern. Assume the pattern continues as shown. Describe the pattern in words.

1. 2, 7, 12, 17, 22, _____, _____, _____, _____
2. 1, 4, 9, 16, 25, _____, _____, _____, _____
3. 1, 1, 2, 3, 5, 8, _____, _____, _____, _____

- **1-31.** Round each number to the specified place. Review your Class Notes if you need to before answering.

1. 5,294.6 _____
(hundreds)
2. 45,469.23 _____
(thousands)
3. 7526.442 _____
(hundredths)
4. 492.3069 _____
(thousandths)

Name _____

Rounding Worksheet

Whole Numbers: To round to a certain place value, look at the digit to the right of that place. If the digit is 5 or greater, round the number up by increasing the digit in the rounding place by 1, and changing all numbers between the rounded number and the invisible decimal point to zero. If the digit is less than 5, round down; that is, leave the digit in the rounding place unchanged and include zeros to the right of the rounding place as needed

Decimals: The rules are the same as above except don't put any zeros to the right of rounded digit. There needs to be a digit in the rounded place value, even if that digit is zero.

Examples:

- 10,492 rounded to the nearest hundreds is **10500**
- 10,422 rounded to the nearest hundreds is **10400**
- 1.0492 rounded to the nearest hundredths is **1.05**
- 1.0422 rounded to the nearest hundredths is **1.04**
- 1.0422 rounded to the nearest tenths is **1.0**

Round the following numbers:

5.0625 to the tenth _____

5.0625 to the hundredth _____

5.0625 to the thousandth _____

2,629.5 to the hundreds _____

2,629.5 to the thousands _____

2,629.5 to the ones _____

18.99287 to the thousandth _____

18.99287 to the hundredth _____

18.99287 to the tenth _____

46,100 to the hundreds _____

46,100 to the thousands _____

46,100 to the ten thousands _____

17.095 to the hundredth _____

17.095 to the tenth _____

17.095 to the ones _____

599.7 to the ones _____

599.7 to the tens _____

599.7 to the hundreds _____

599.7 to the thousands _____