

CC Math 1A Warm Up #3

On the first day of school, I surveyed the class on the average time it took them to get to school.

Here are some of the results (in minutes):

5, 15, 20, 15, 10, 15, 15, 20, 10, 5, 7, 3, 7, 32

1. Create a frequency table using INTERVALS for the data.

3. Create a histogram representing the data.

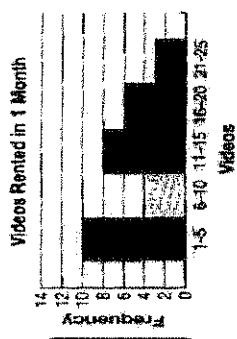
2. Create a dot plot representing the data.

4. Write a paragraph explaining the data distribution. Use the FOUR characteristics of data distribution: shape, center, spread, outliers.

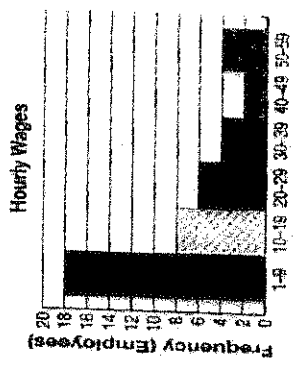
QUIZ REVIEW

INDEPENDENT PRACTICE: This histogram shows the number of videos rented over a 1 month period.

2.) How many individuals rented more than 10 but less than 21 videos?
 E. 17 individuals
 F. 4 individuals
 G. 6 individuals
 H. 18 individuals



1.) How many individuals were surveyed in this one month period?
 A. 25 individuals
 B. 10 individuals
 C. 31 individuals
 D. 14 individuals



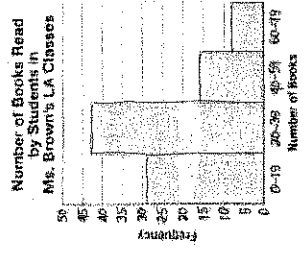
GUIDED PRACTICE:
 How many employees in this company earn less than \$20 dollars per hour?

 How many total employees in this company are represented by the "Hourly Wages" histogram?

REFLECTION:
 What do you notice about the number of employees in each category? Why do you think this is?

All answers should be APPROXIMATE.

The histogram below shows the number of books read during the school year by the students in Ms. Brown's four language arts classes. Use this histogram to answer questions 1 and 2.



Based on this histogram, how many of Ms. Brown's students read less than 60 books during the school year.

Determine from the histogram how many students read at least 20 but less than 60 books.

According to this histogram, how many total Language Arts students does Ms. Brown teach?

CHECK FOR UNDERSTANDING: The numbers of floors in each of ten tall buildings are listed at 73, 48, 65, 57, 60, 70, 42, 50, 78, and 56. Which frequency table is accurate for this set of data?

- A.

Interval	Frequency
40-49	3
50-59	2
60-69	3
70-79	2
- B.

Interval	Frequency
40-49	2
50-59	3
60-69	2
70-79	3
- C.

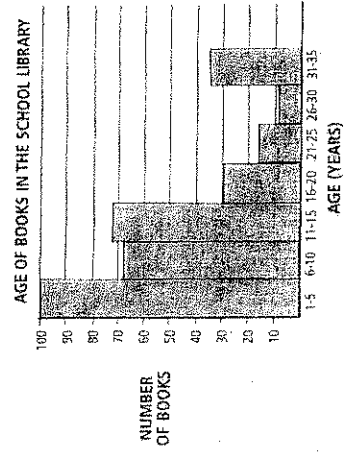
Interval	Frequency
40-49	2
50-59	3
60-69	3
70-79	2
- D.

Interval	Frequency
40-49	3
50-59	2
60-69	2
70-79	3

The data below shows the weights, in pounds, of 20 cats and kittens.

Weight (in pounds)	Frequency
1-5	
6-10	
11-15	
16-20	

Use the data to complete the frequency table.
 15, 12, 10, 8, 9, 11, 5, 16, 13, 16,
 18, 15, 9, 10, 11, 13, 15, 19, 10, 10



- Which of these is NOT a true statement?
- A. There are more books that are less than 15 years old than books that are more than 15 years old.
 B. No age category shows more than 100 books.
 C. Fewer than 50 books are older than 20 years.
 D. About half of the books are less than 11 years old.

UNIT 7 • WORKING WITH DATA

Day 53

Day 53 Guided Practice**Histograms on the Calculator I**

Create a histogram for each set of data below using your calculator. Draw the histogram (from your calculator screen). Then describe the shape, center, and spread of your histogram.

1. Officer Phil pulls off to the side of the highway, and decides to clock the speeds of drivers as they pass by. He records the speeds of 20 cars that go by him, which are (in miles per hour):

65, 59, 70, 72, 62, 55, 57, 74, 70, 68, 63, 65, 71, 69, 66, 67, 58, 77, 70, 65

Draw your histogram (from your calculator screen) below:

Describe the shape: _____

Describe the interval that contains the center: _____

Describe the spread: _____

2. Lightning Larry is a wide receiver for his football team. Last game, he caught 15 passes! Here is the data for how long each reception was (in yards):

8, 6, 15, 19, 4, 9, 11, 7, 10, 18, 3, 9, 16, 2, 6

Draw your histogram (from your calculator screen) below:

Describe the shape: _____

Describe the interval that contains the center: _____

Describe the spread: _____