

Day 6 Warm-Ups: p.23 (1 - 8)

Mid-Chapter Quiz

Name
p.23(1-8)
1/30/13

1. Define the following in your own words: data, poll, population, sample, random sampling, convenience sampling, cluster sampling and systematic sampling. (Lesson 1-1)

Data
Poll
Population
Sample
Random Sampling
Convenience
Cluster
Systematic

TURN
- IN

2. Give an example to illustrate the meaning of each word in Question 1. (Lesson 1-1)

3. Would you use mean, median, mode, or range to find the age most students graduate from high school? (Lesson 1-2)

4. Find the mean, median, mode and range for this data: 18, 25, 19, 22, 27, 20. (Lesson 1-2)

5. The median for a set of data is 50. Does 50 need to be one of the pieces of the data? Give an example to illustrate your answer. (Lesson 1-2)

6. Find the mode for this set of data: 0, 1, 3, 4, 6, 7, 135, 135. Why is the mode not a useful piece of information for the data? (Lesson 1-2)

7. Estimate the percents for a circle graph for the data given. A: 153, B: 218, C: 175

Use the following scores for Question 8.

61 70 36 52 49 77 62 37 55 32 44 82 96 73
55 61 43 38 37 56 59 62 32 46 58 63 72 84

8. Construct a stem-and-leaf plot showing the scores. (Lesson 1-3)

1-5

Frequency Tables and Pictographs

Goals

- Interpret frequency tables and pictographs.
- Create frequency tables and pictographs.

BUILD UNDERSTANDING

Tally marks
 A tally mark is drawn to record each response. The total number of marks for a given response is the frequency of that response.

Pictograph
 A pictograph or key identifies the number of data items represented by each symbol. The symbols often represent rounded amounts.

Brad interviewed people about their favorite television programs. He used this code to record the following data.

1. How many people were interviewed according to the data shown below?



- S Sports
- M Mysteries
- Q Quiz shows
- V Music videos
- O Soap operas
- A Adventure
- N News
- C Comedies

Types of TV Programs ← Title

Program	Tally	Frequency
Sports		5
Mysteries		4
Soap operas		4
News		4
Quiz shows		4
Music videos		4
Adventure		4
Comedies		4

total: 45

$7 - 5 = 2$

Use the frequency table of Brad's data.

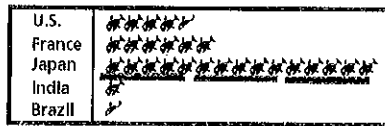
- a. How many more chose sports programs than news?
- b. Which two programs together have the same frequency as adventures?

Use the pictograph at the right.

- a. In which country is the most fish eaten? About how many pounds of fish does the average person in that country eat in a year?

Japan
150 lbs

Fish Consumption around the World (pounds, per person, per year)



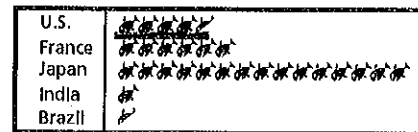
Key: $\text{fish icon} = 10 \text{ lb}$

10×15

Country eaten in a year.

- b. How much fish does the average person in the U.S. eat in a year?

Fish Consumption around the World (pounds, per person, per year)



Key: $\text{fish icon} = 10 \text{ lb}$

$4.5 \times 10 = 45 \text{ lbs Fish}$

The average Norwegian eats about 110 lb of fish/yr. ~~How many fish symbols~~
~~are there for Norway in the picture?~~

Fish Consumption around the World
 (pounds, per person, per year)

U.S.	
France	
Japan	
India	
Brazil	

Key: || = 10 lb

$$\frac{110}{10} = 11$$

16. Which type of music is most popular? Least popular?

17. About how many students prefer country/western music?

18. About how many more students prefer blues than classical music?

19. How many more students prefer rock than prefer country/western music?

Student Preferences—Kinds of Music

Rock	
Jazz	
Country/western	
Classical	
Blues	
Other	

Key: ♪ = 50 students

Due Today
 Complete WS 1.5 for points.

For question #1, create a FDC that lists amounts by \$100s.

325
 450

Amount	Tally	Frequency
100		
200		
300		
400		
500		
600		

staple paper back of wkst