

# Collect and Organize Data

## Skill 3 - 9B

### Frequency Table

**Directions:** Use the frequency table to answer the questions.

1. Katie took a survey of the students in her class to find out each person's favorite food. She collected the data and recorded it in a frequency table.

Favorite Food	
Food	Number
Pizza	18
Salad	8
Tacos	10
Hamburgers	16
Vegetables	20

- How many students answered the survey?
- Which food did most students choose?
- How many more students chose pizza and hamburgers than those who chose salad and tacos?
- List the foods in order from the fewest number chosen to the most number chosen?

2. Joseph took a survey of the students in his class to find out each person's favorite zoo animal. He collected the data and recorded it in this frequency table.

Favorite Zoo Animal	
Animal	Number
Elephant	10
Monkey	7
Lion	18
Anteater	9
Giraffe	12

- How many students answered the survey?
- Which animal did most students choose?
- How many more students chose lions and anteaters than those who chose giraffes and monkeys?
- List the animals in order from the fewest number chosen to the greatest number chosen?

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**Directions:** Use the frequency table to answer the questions.

3. Michael took a survey of the students in his class to find out each person's favorite musical instrument. He collected the data and recorded it in this frequency table.

<b>Favorite Instrument</b>	
<b>Musical Instrument</b>	<b>Number</b>
Piano	8
Trumpet	12
Trombone	7
Violin	6
Cello	4

- a. How many students answered the survey?
- b. Which instrument did most students choose?
- c. How many more students chose trumpet and piano than those who chose trombone and violin?
- d. List the instruments in order from the least number chosen to the greatest number chosen?

4. Joseph took a survey of the students in his class to find out each person's favorite bird. He collected the data and recorded it in this frequency table.

<b>Favorite Bird</b>	
<b>Bird</b>	<b>Number</b>
Parrot	7
Blue Jay	18
Woodpecker	8
Sparrow	15
Mocking Bird	12

- a. How many students answered the survey?
- b. Which bird did most students choose?
- c. How many more students chose blue jay and sparrow than those who chose woodpecker and mocking bird?
- d. List the birds in order from the least number chosen to the greatest number chosen?

