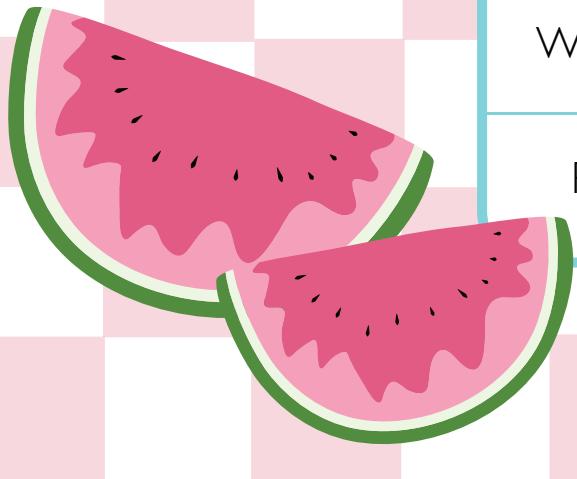


The Results Are In:

Interpreting Data

2nd
GRADE



Type of Food	Tally	Total
Lemonade		4
Watermelon		2
Popsicles		
Grand Total:		

What food is the **most** common?

What food is the **least** common?

How many **more** popsicles than watermelon are there?

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The Results Are In: Interpreting Data

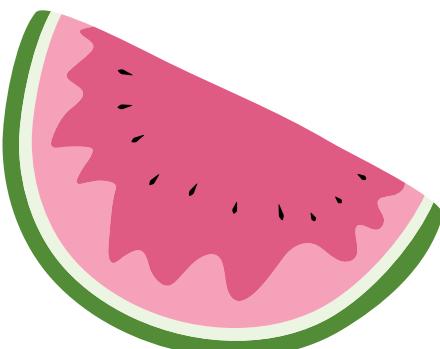
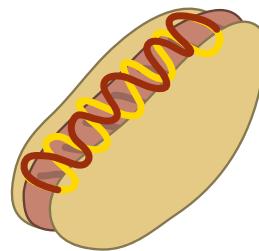
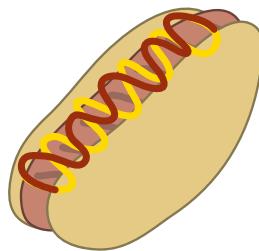
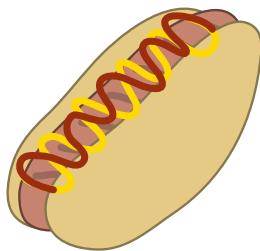
- The BBQ
- Fruit Survey
- Picnic Bar Graph
- Favorite BBQ Food
- Favorite Picnic Spots
- Cold Drinks
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- Jake's Nature Hike
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- Pie Chart Questions

Certificate of Completion

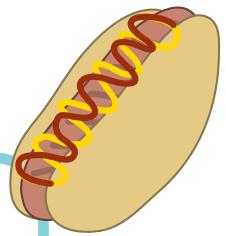
The BBQ

Look at the pictures from Katy's barbecue. Count and record the numbers of each kind of food in the tally chart on the next page.

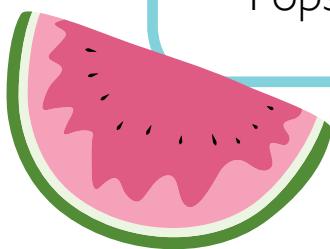
Then answer the questions below.



The BBQ Tally Sheet



Type of Food	Tally	Total
Lemonade		2
Hot dogs		
Apples		
Watermelon		
Popsicles		
Grand Total:		

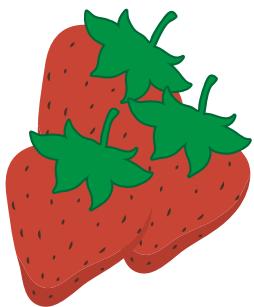


What food is the most common?

What food is the least common?

How many more popsicles than apples are there?



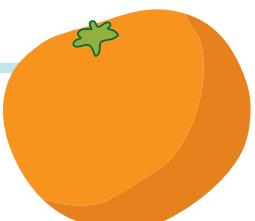


Fruit Survey

Survey your friends and family about their favorite fruit.
Then record it in the chart, and answer the questions below.

Name	Favorite Types of Fruit (can be more than one)

What is the most common fruit that people liked?



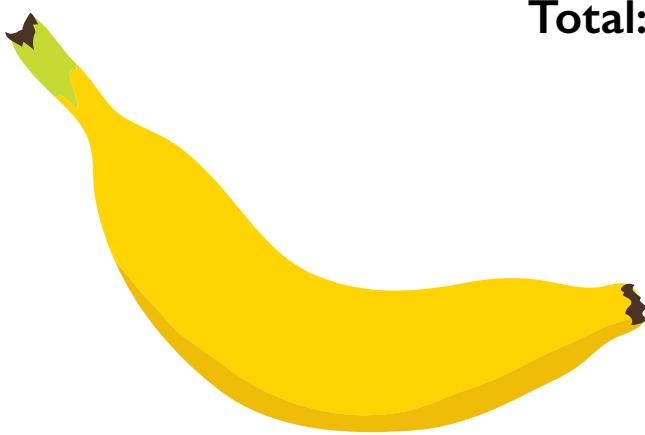
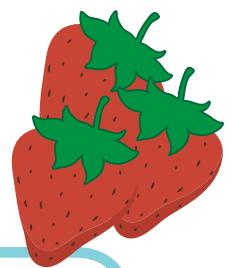
How many types of fruits did people like in total?



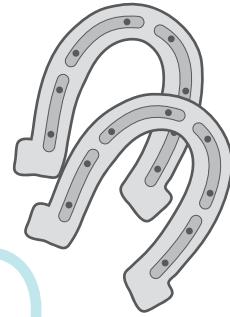
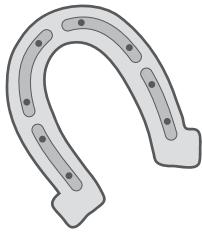
What is the least common fruit that people liked?



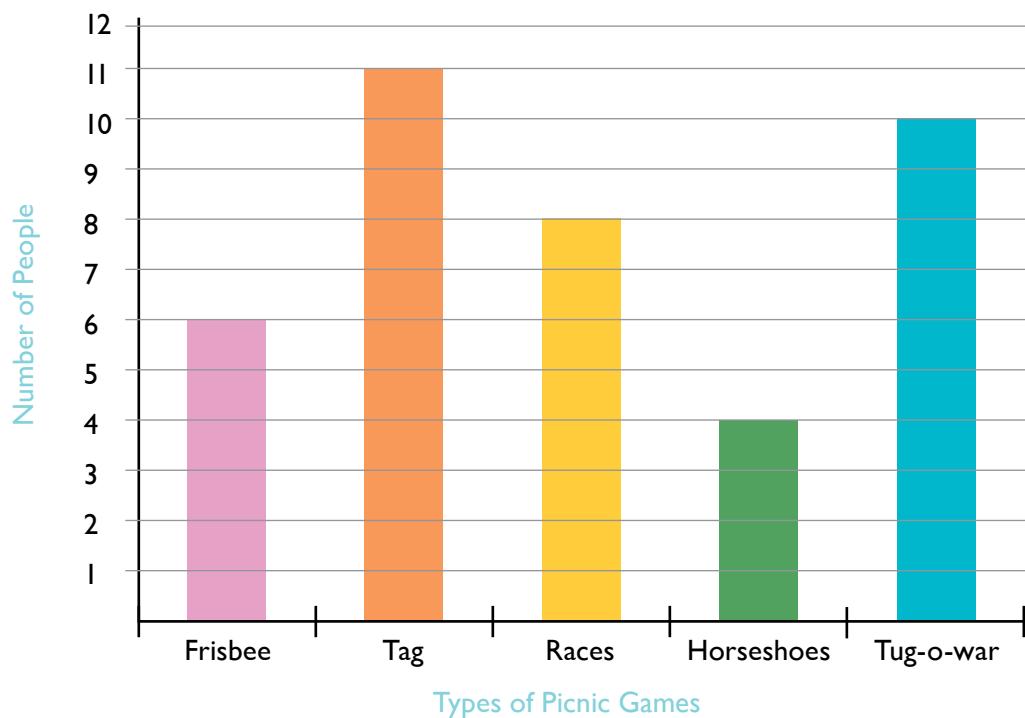
Fruit Tally Sheet



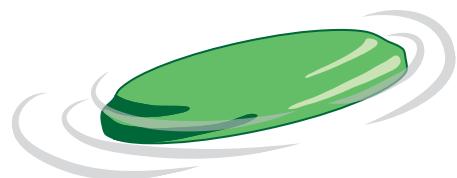
Picnic Bar Graph

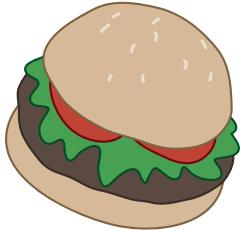


Read the bar graph to learn which picnic games were the most popular. Then answer the questions below. Show your work when possible.

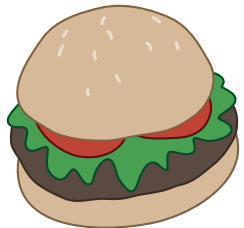


1. How many people love races?
2. How many more people chose tug-o-war than frisbee?
3. Add the number of people who love horseshoes and the number of people who love races. What's the difference between that total and the number of people who love tag?
4. How many more people would it take to make frisbee the most loved picnic activity?
5. List the activities in order from most favorite to least favorite.





Favorite BBQ Food



Based on the information given, fill out the chart. Then complete the graph and answer the questions.

A group of students were asked what their favorite barbecue foods are:

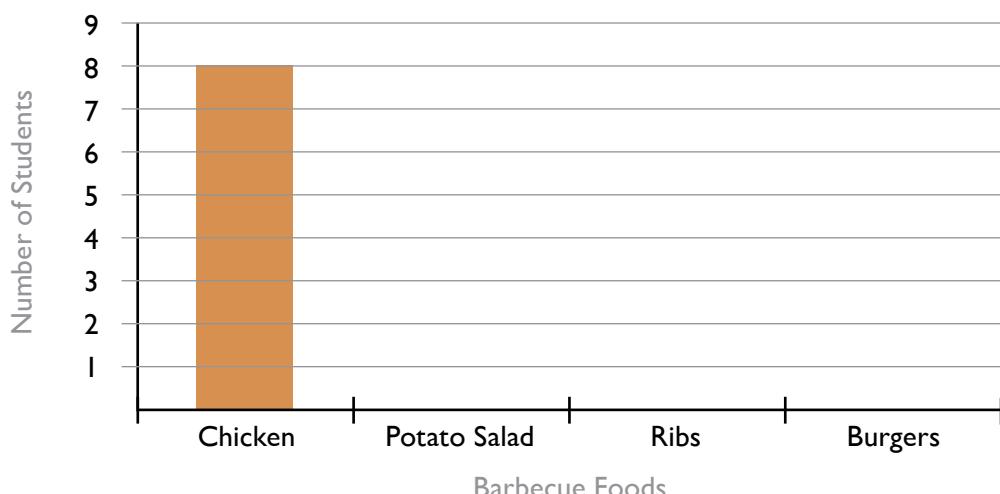
||||| / / / Chicken

||||| | Potato Salad

||| Ribs

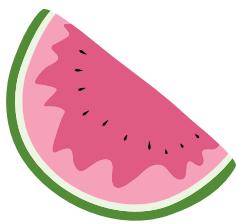
5 Burgers

BBQ Food	Students
Chicken	8
Potato Salad	
Ribs	
Burgers	



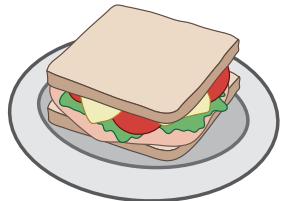
Mode is the term for the most common response in a set of data. What is the most popular barbecue food? The food that has the highest number of responses is the **mode**.

Which BBQ food is the least popular?



Favorite Picnic Spots

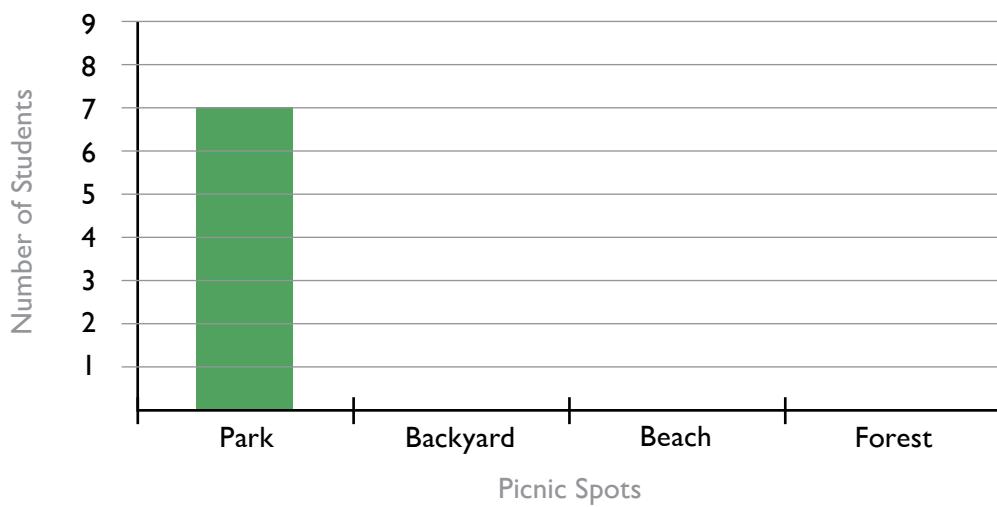
Based on the information given, fill out the chart.
Then complete the graph and answer the questions.



A group of students were asked what their favorite picnic spots are:

||||| // Park
||||| // Backyard
||||| | Beach
||||| Forest

Picnic Spots	Students
Park	7
Backyard	
Beach	
Forest	

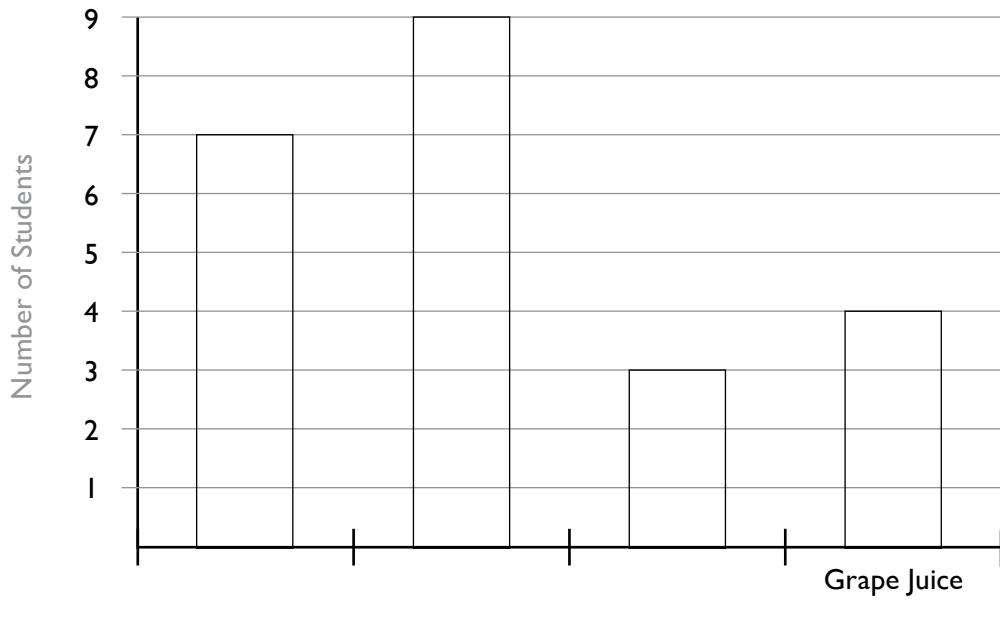


Mode is the term for the most common response in a set of data.
What is the most popular picnic spot? The spot that people picked the most is the **mode**.

Which picnic spot is the least popular?

Cold Drinks

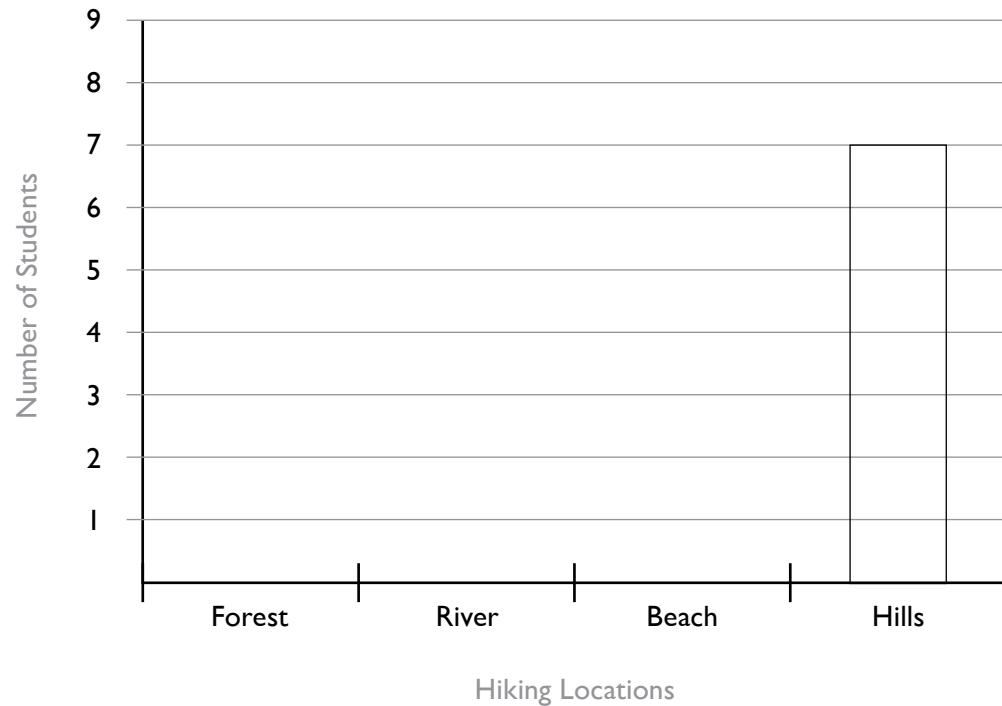
You poll your classmates about their favorite cold beverages.
Now fill in the bar graph using the information below.



1. Seven students like apple juice. Find that bar and label it "Apple Juice."
2. Nine students like lemonade. Find that bar and label it "Lemonade."
3. Three students like iced tea. Find that bar and label it "Iced Tea."
4. Color the most popular drink red.
5. Color the least popular drink blue.

Hiking Bar Graph

Read the sentences below and complete the bar graph by drawing bars.
Then answer the questions.



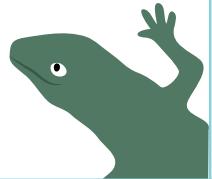
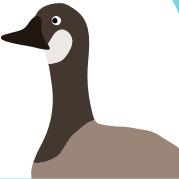
Number of students that like to hike:
In Forests – 5
Near Rivers – 3
At the Beach – 8
In the Hills – 7



1. Color the **mode** red.
2. Which hiking location is the most popular?
3. Which hiking location is the least popular?
4. What is the difference in votes between hiking in the hills and hiking near rivers?

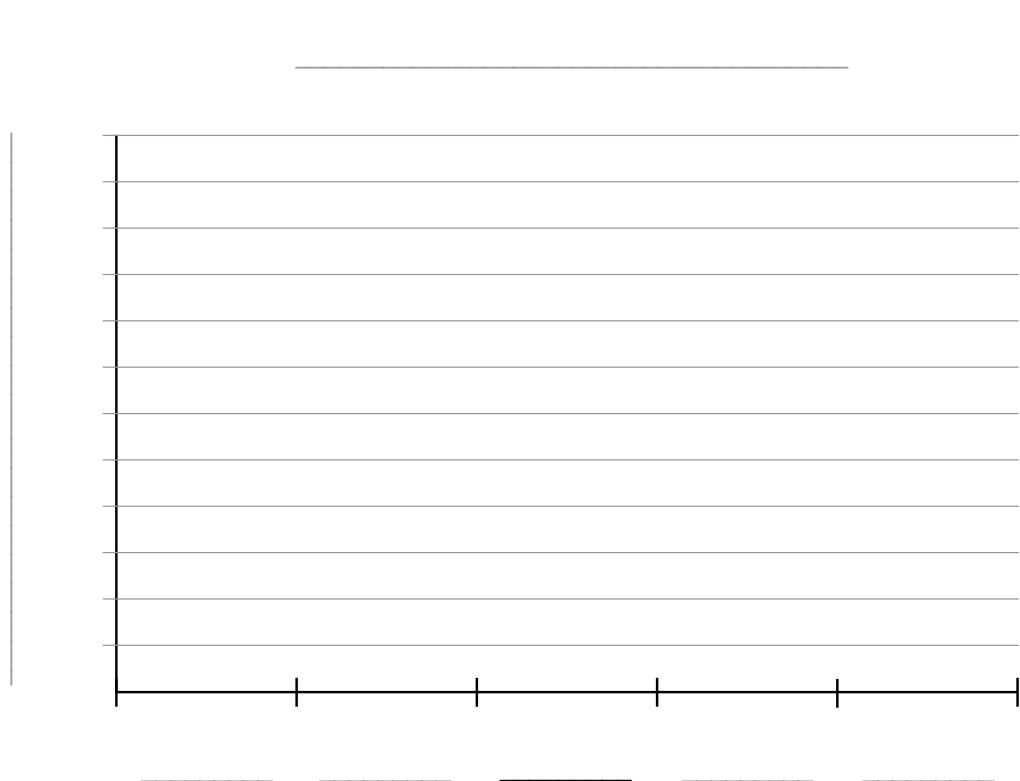
Jake's Nature Hike

Jake went on a nature hike. He saw deer, turkeys, hummingbirds, lizards, and geese.
Help Jake make a bar graph of the animals he saw!

				
Deer	Turkeys	Hummingbirds	Lizards	Geese
3	4	2	11	8

Directions:

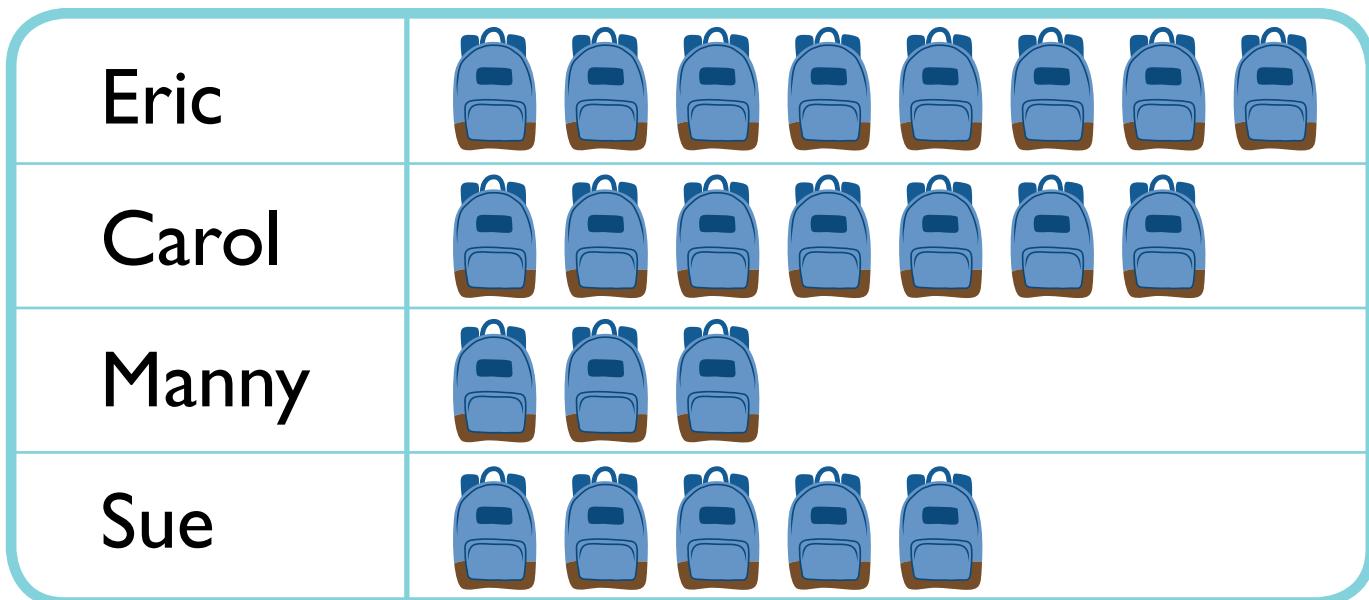
- 1) Title your graph!
- 2) Label the parts of your graph.
- 3) Figure out a scale to fit the number of animals Jake saw.
- 4) Graph the information.



Hiking Buddies Graph

Eric, Carol, Manny and Sue all like to go hiking.

This pictograph shows how many hikes they went on this month.



= one hike

- 1) Who went on the most hikes?
- 2) Compare Eric and Carol. How many more hikes did Eric go on?
- 3) How many hikes did Sue take?
- 4) How many fewer hikes did Manny go on than Sue?
- 5) Who hiked the least?
- 6) How many hikes did they take in total?

Pick a Flower Pictograph

Stefanie is helping her mom plant flowers in the garden. Find out how many flowers Stefanie planted in the past few days by reading the pictograph below. Then answer the questions.

Remember: each flower in the pictograph stands for 2 flowers.

Sunday	
Monday	
Wednesday	
Friday	
Saturday	

 = 2 flowers

1. What does this symbol represent?



2. How many flowers did Stefanie plant on Wednesday?

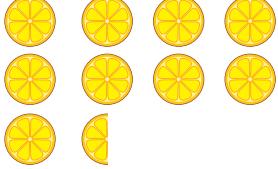
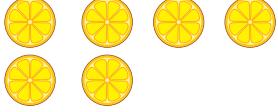
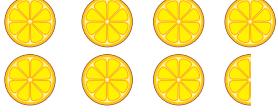
3. On which day did Stefanie plant the fewest flowers? How many did she plant that day?

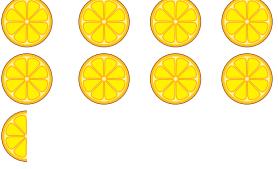
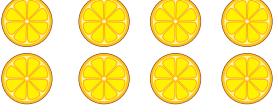
4. On which day did Stefanie plant the most flowers? How many more did she plant on that day than on Sunday?

5. Draw symbols to represent 5 flowers.

Lemonade Stand

Susie set up a lemonade stand in her front yard. These two pictographs compare how many cups of lemonade Susie sold in two weeks. Read the pictographs and answer the questions below.

Week 1	Cups of Lemonade
Day 1	
Day 2	
Day 3	

Week 2	Cups of Lemonade
Day 1	
Day 2	
Day 3	

1. What does this symbol represent?



 = 2 cups

2. How many cups of lemonade did Susie sell in the first week?

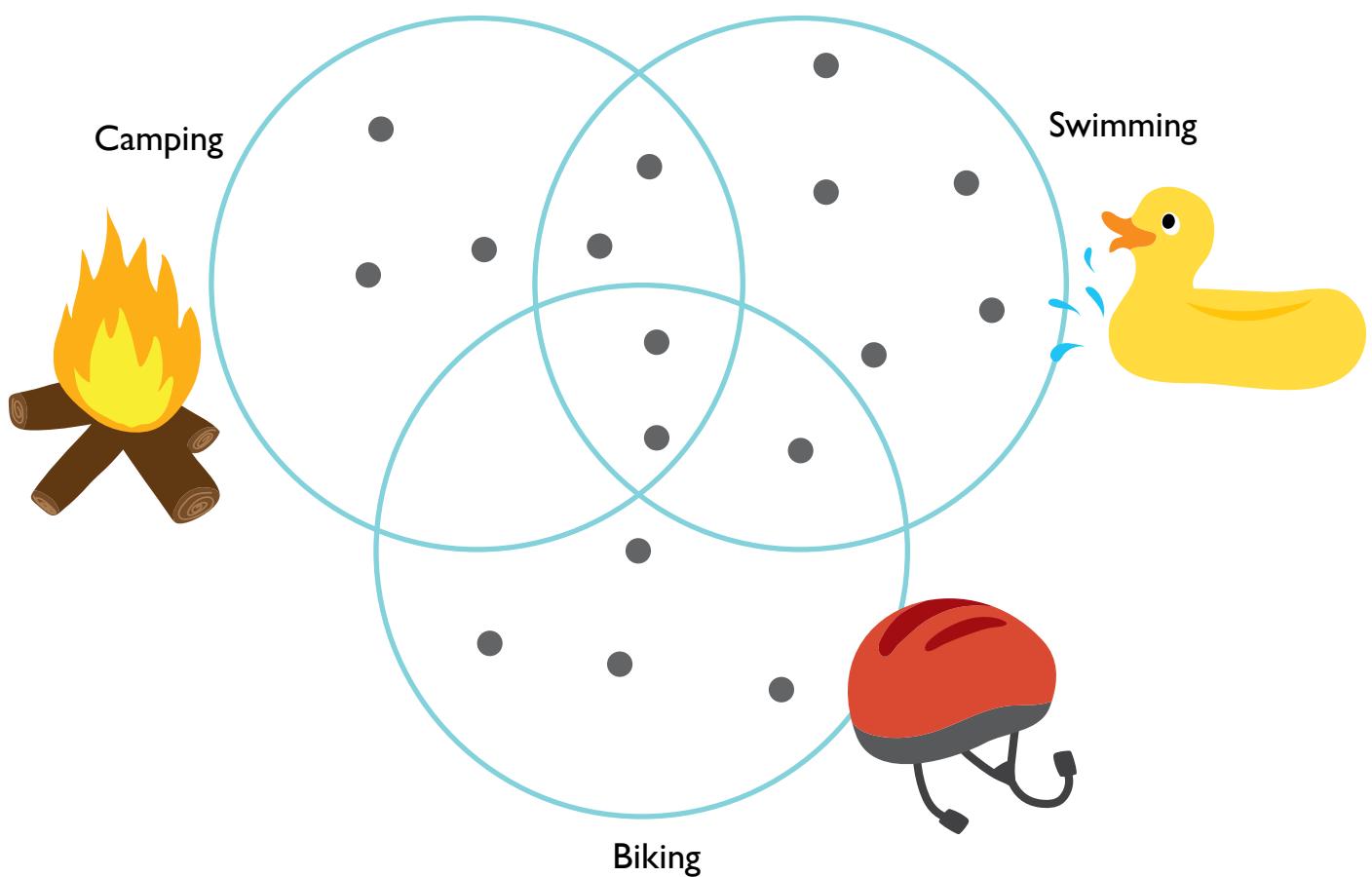
3. How many cups of lemonade did Susie sell in the second week?

4. How many more or fewer cups of lemonade did Susie sell in week one than in week two? Draw lemonade symbols to show the difference below. Remember, one symbol equals two cups of lemonade.



Summer Hobbies

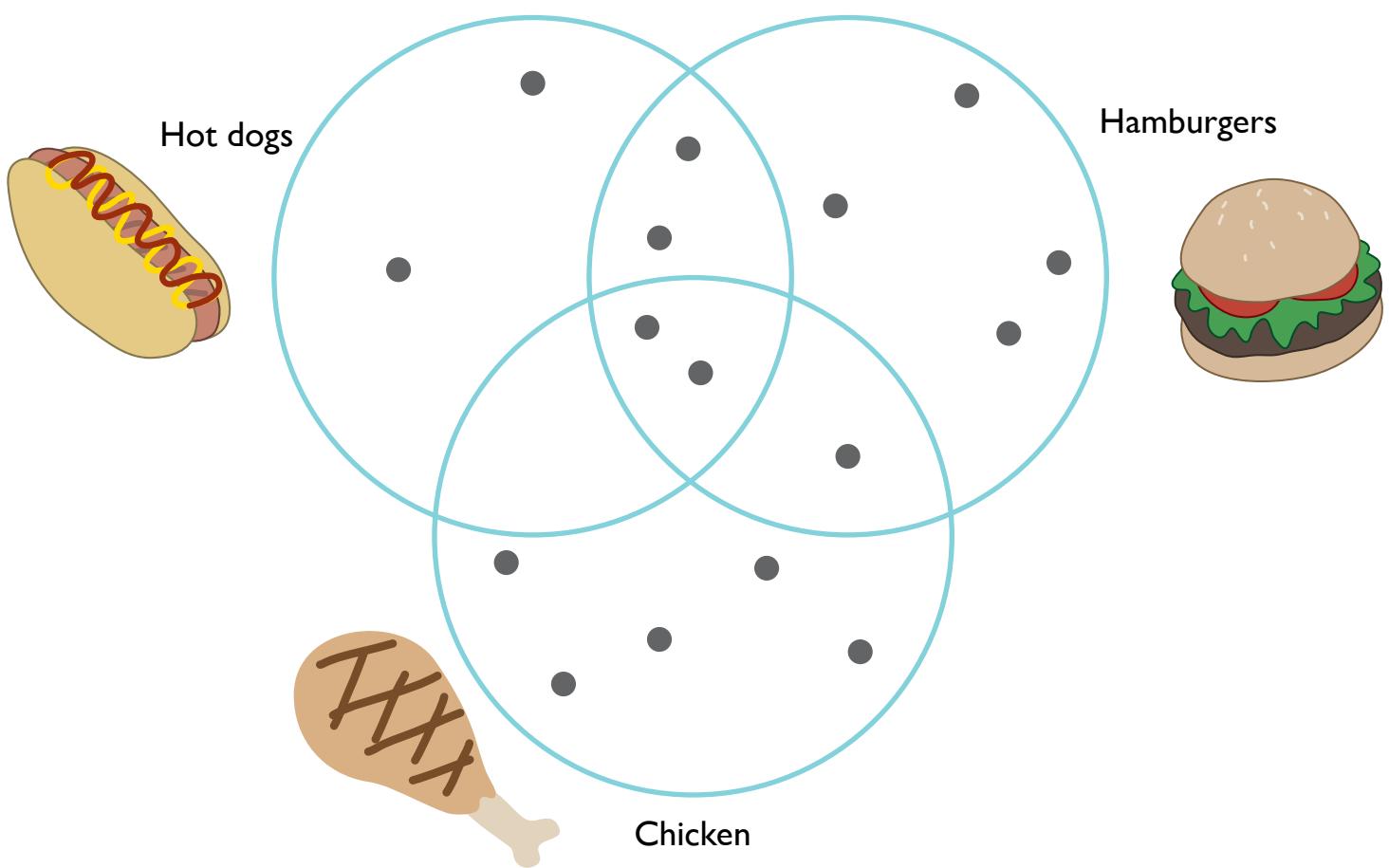
Read the Venn diagram below and answer the questions. The diagram shows three favorite summertime hobbies. Each dot represents one person.



1. How many people love only camping?
2. How many people love only swimming?
3. How many people love to only bike and swim?
4. How many people love only camping and swimming?
5. How many people love all three hobbies?

BBQ Food

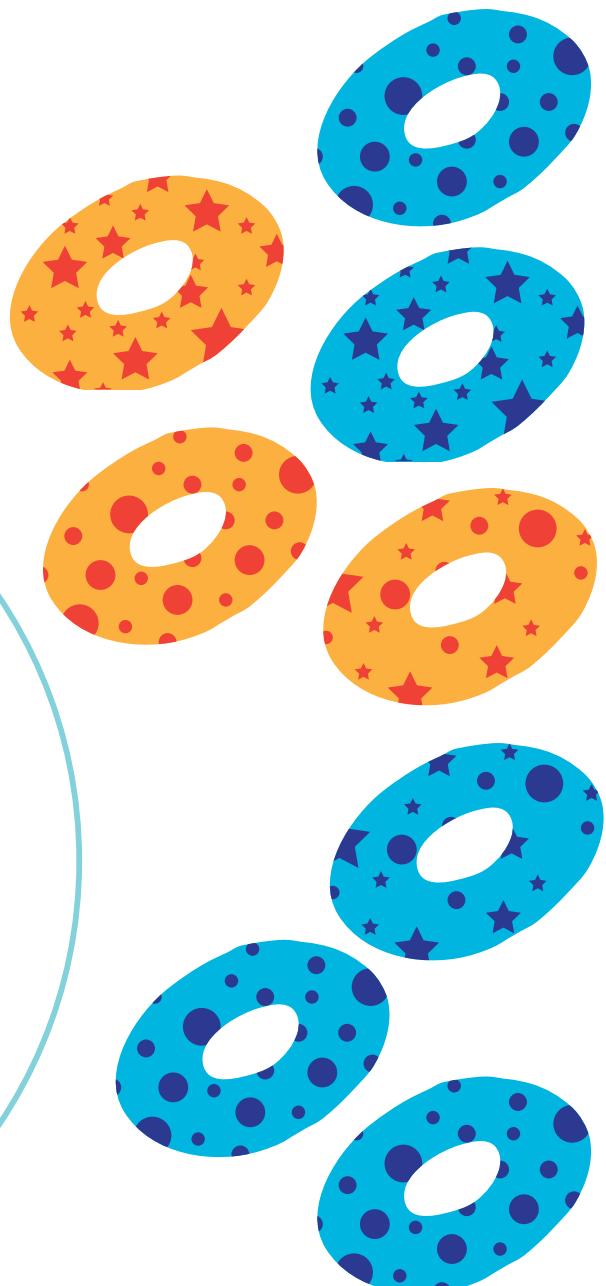
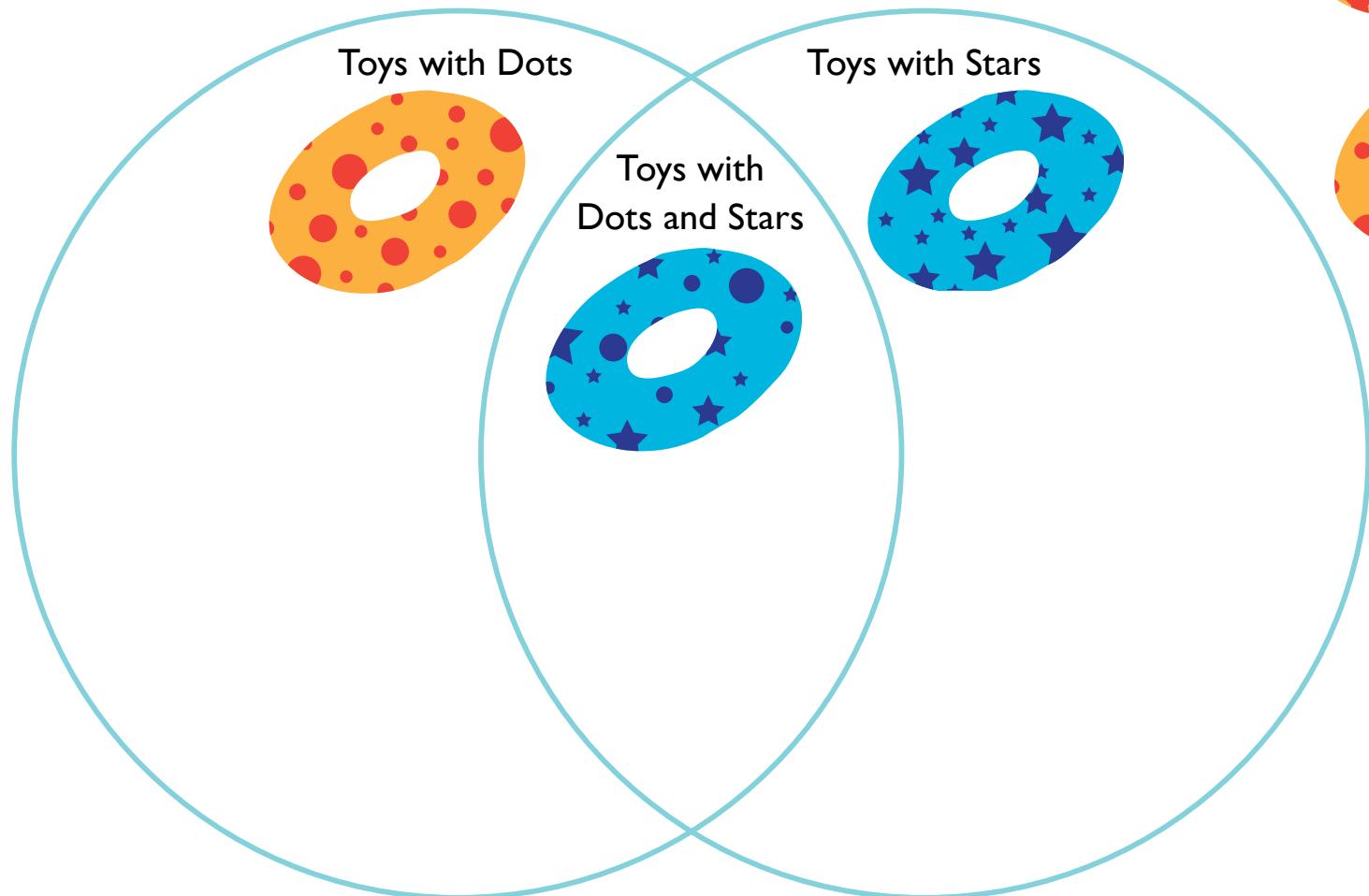
Read the Venn diagram below and answer the questions.
Each dot represents one person's response for their favorite barbecue food.



1. How many people said chicken is their favorite barbecue food?
2. How many people like just hamburgers?
3. How many people love hot dogs and hamburgers only?
4. How many people love chicken and hot dogs only?
5. How many people love all three foods?

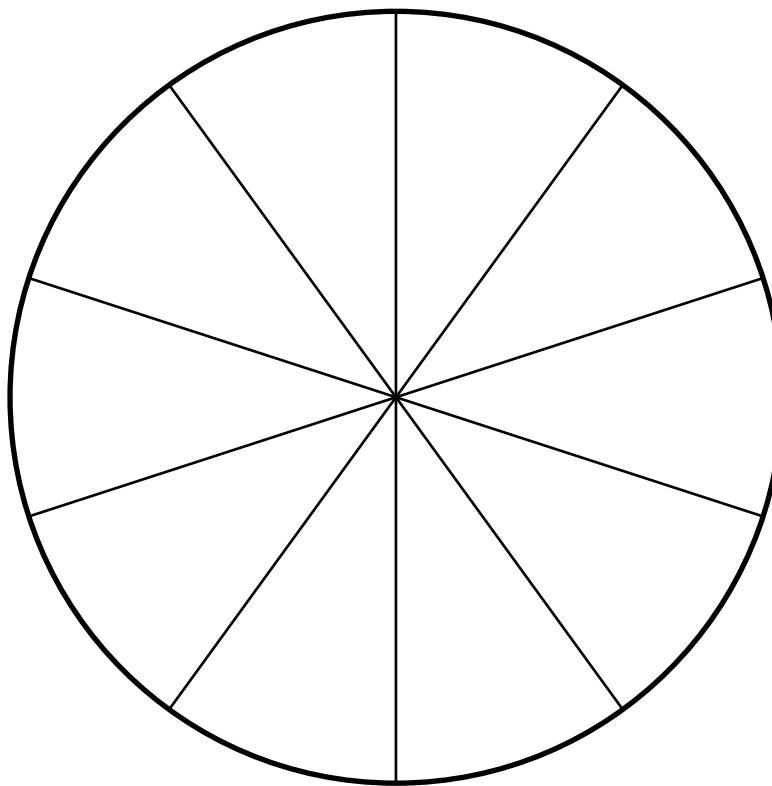
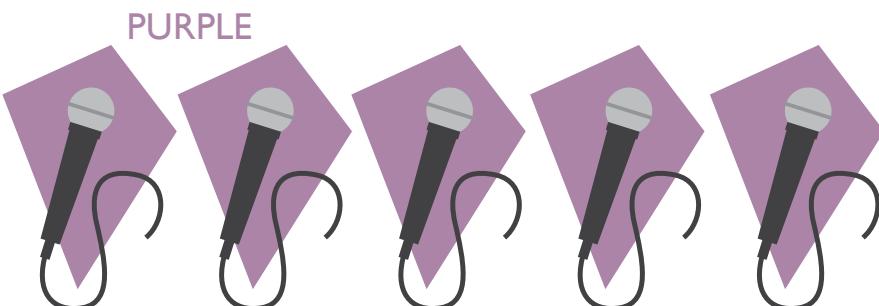
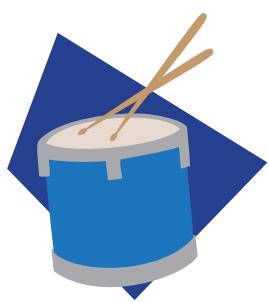
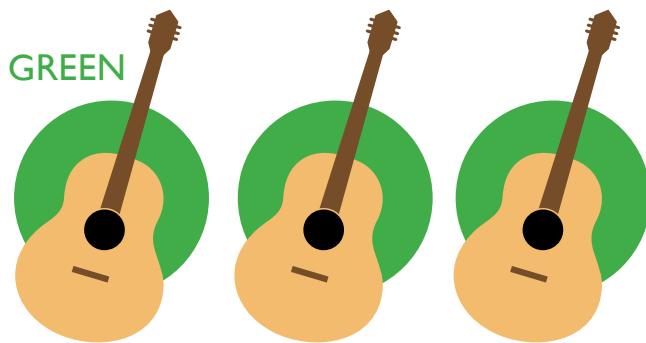
Pool Toys

Look at the pool toys next to the Venn diagram. Cut them out and glue or tape them in the correct space in the Venn diagram. See the examples below.



In the Band Diagram

Each picture represents an instrument. How many children in the band play each instrument? Color one slice for each instrument, using the colors below.



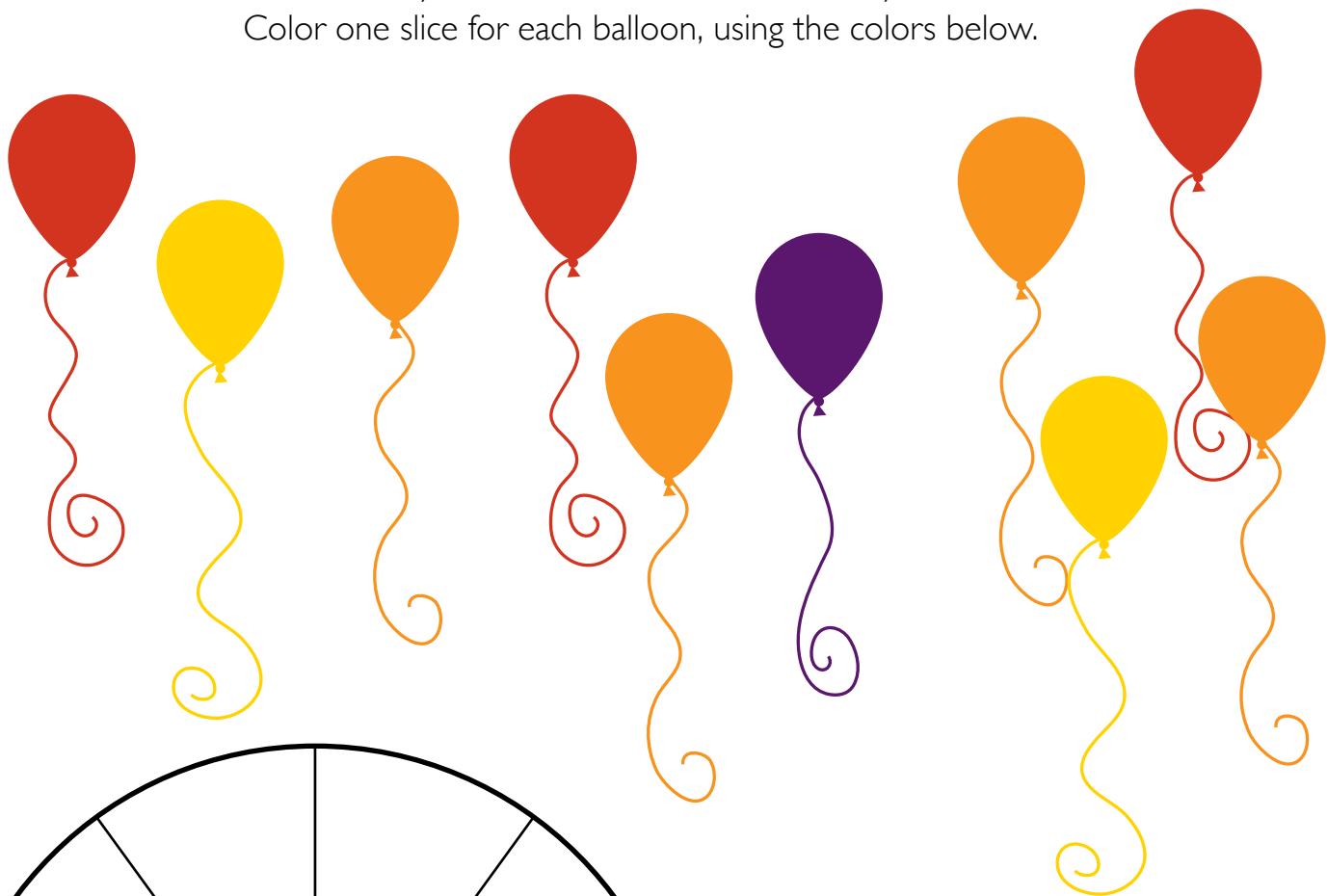
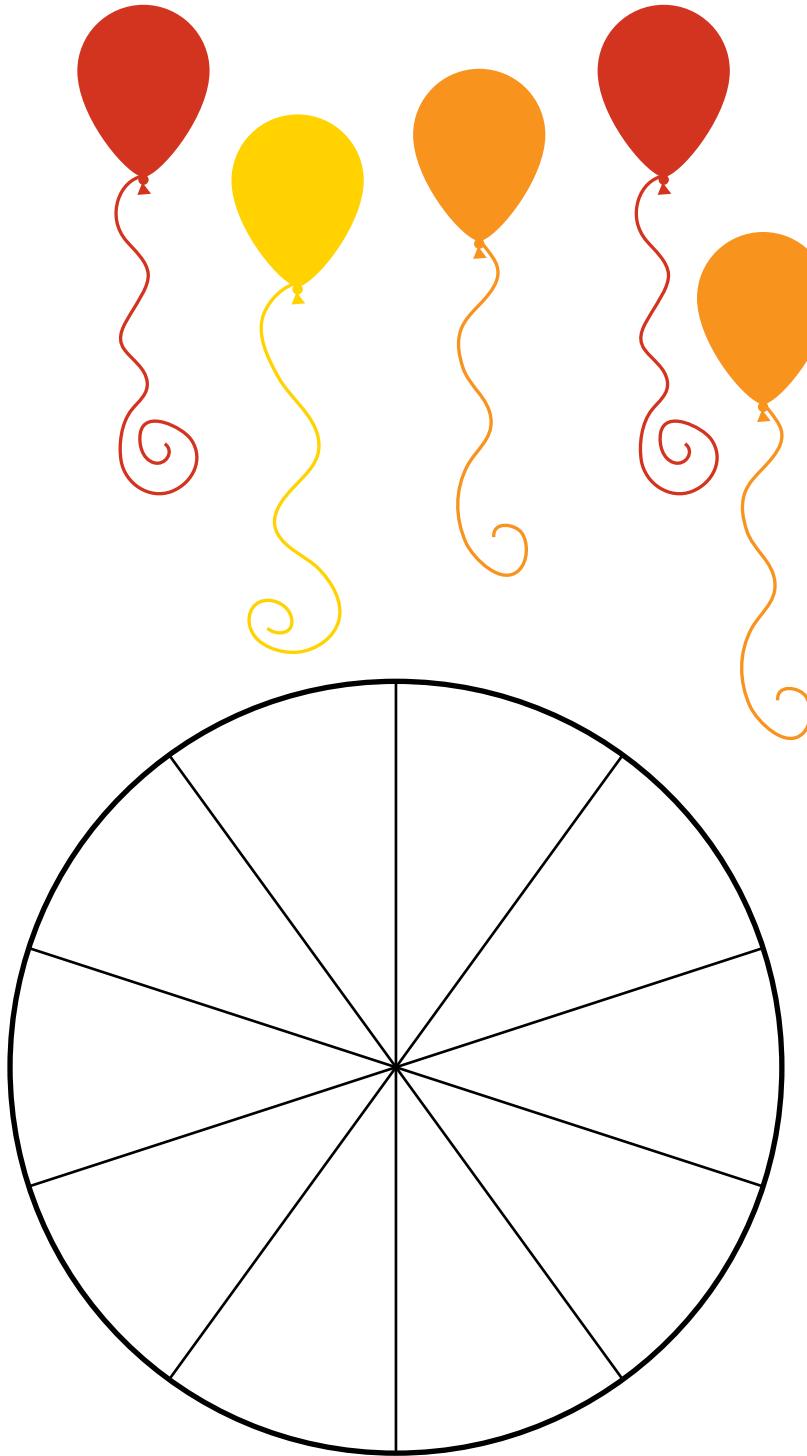
1. How many kids play guitar?
2. How many kids play drums?
3. How many more kids sing than play drums?
4. Each member plays only one instrument. How many kids are in the band?

A Slice of the Fair

Mike and his friends went to the fair, and they all picked out balloons.

How many different colors of balloons do you see?

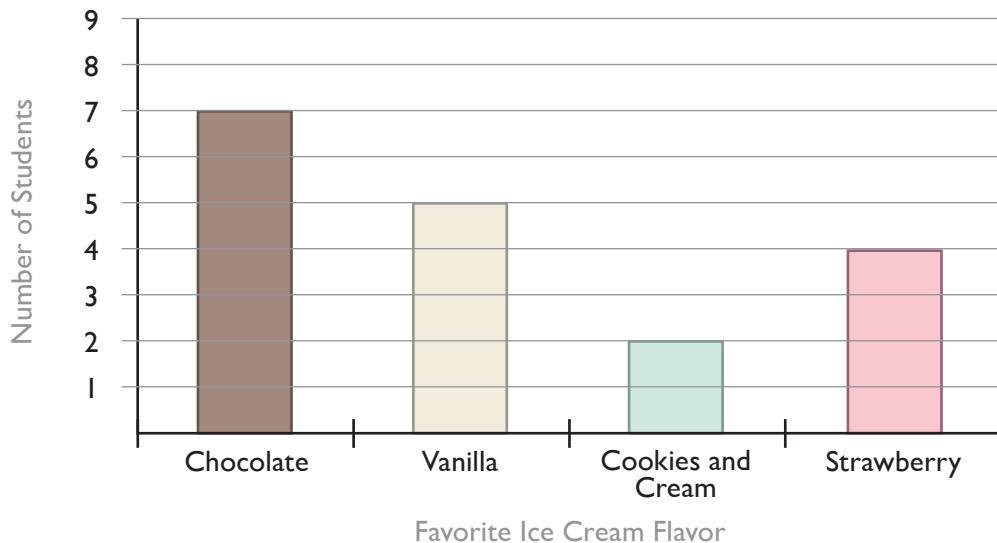
Color one slice for each balloon, using the colors below.



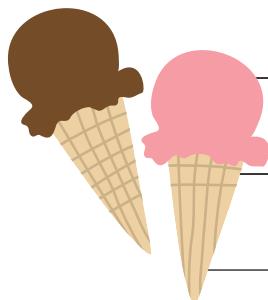
1. How many kids picked red balloons?
2. How many kids picked yellow?
3. How many more kids picked orange balloons than purple balloons?
4. How many kids got balloons?

Coming Up with Questions

Glenn wanted to know what his friends' favorite flavors of ice cream are, so he surveyed his friends and made a graph of his findings. Look at the bar graph, and come up with three questions about the graph to ask a friend or family member. Write them in the spaces below.

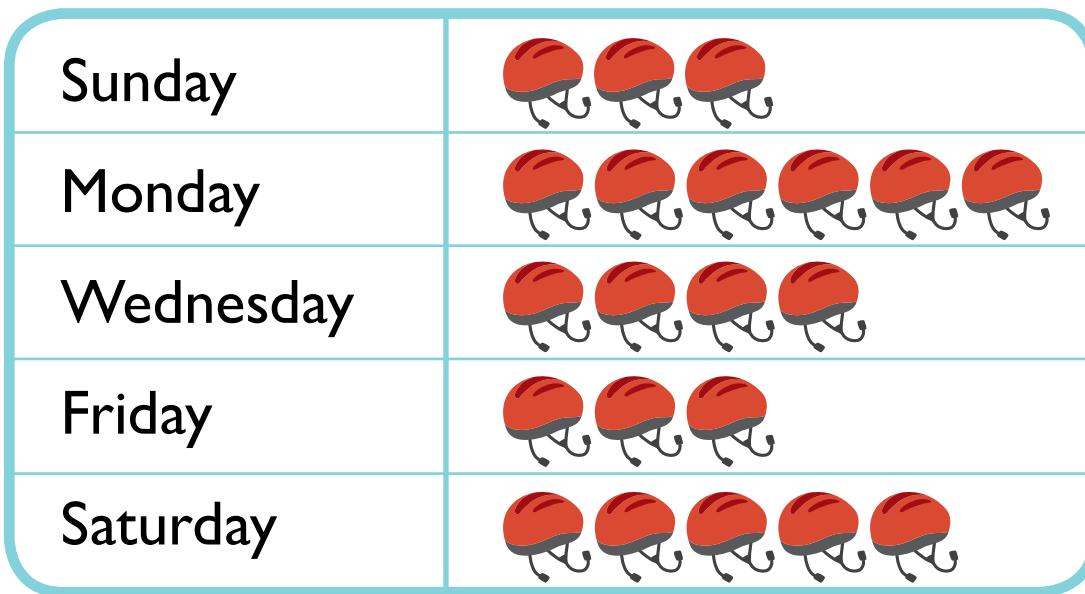


Example: Which flavor of ice cream is the most popular?



Pictograph Questions

Emily likes to ride her bike, so she decided to make a graph of how much she rides her bike over the course of a week. Look at the pictograph she made, and come up with three questions about the graph to ask a friend or family member. Write them in the spaces below.

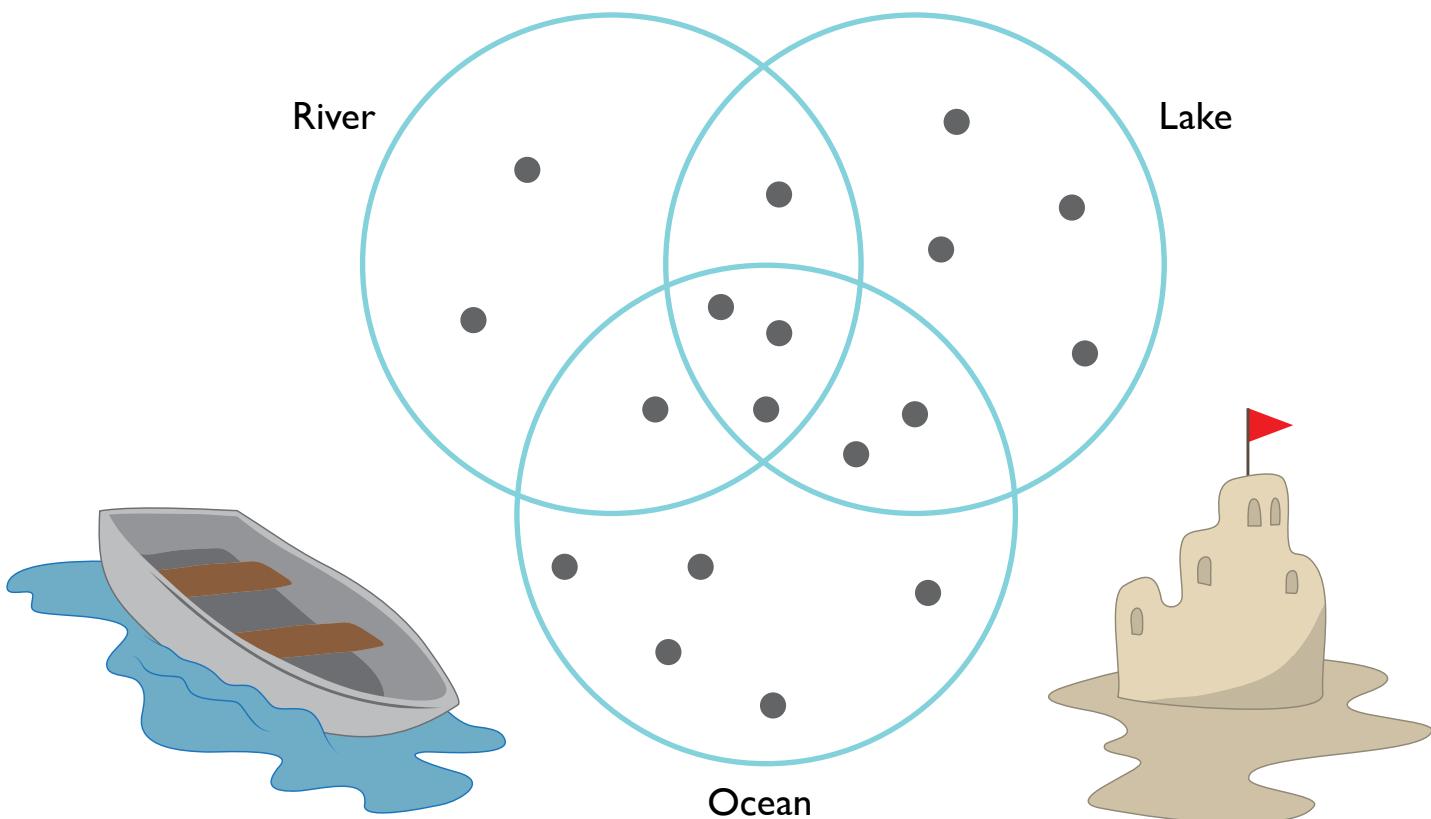


= 10 minutes of bike riding

Example: What day did Emily ride her bike the least?

Venn Diagram Questions

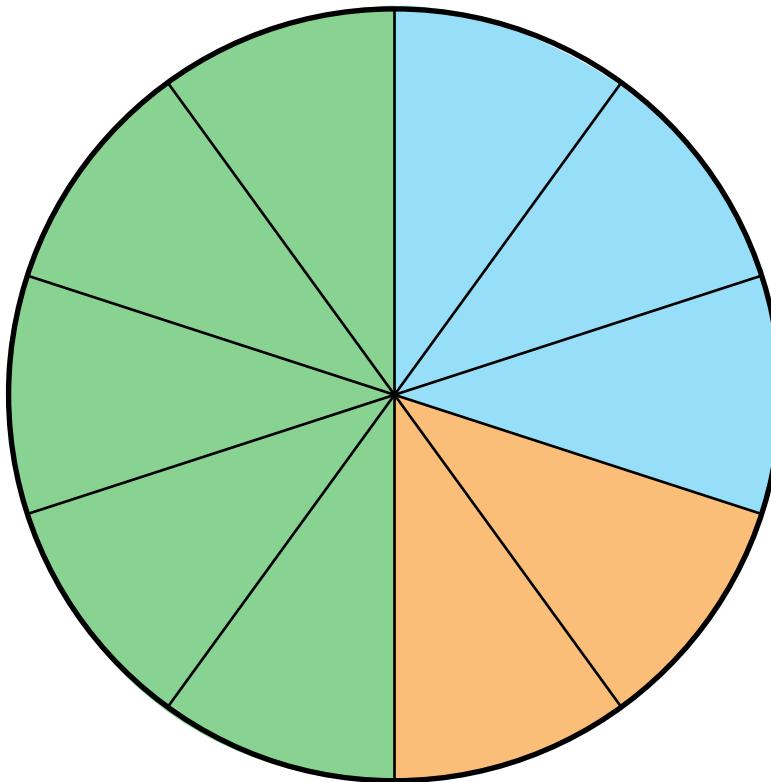
Jordan made a graph of his friends' responses about whether they like the ocean, the lake, or the river better. Look at the Venn diagram, and come up with three questions about the graph to ask a friend or family member. Write them in the spaces below.



Example: How many of Jordan's friends like only the ocean?

Pie Chart Questions

Sue went to the local pool to survey what kind of pool toys are most popular. Look at the pie graph, and come up with three questions about the graph to ask a friend or family member. Write them in the spaces below.



Noodle



Doughnut



Board

Example: Which pool toy was the most common?



Great job!

