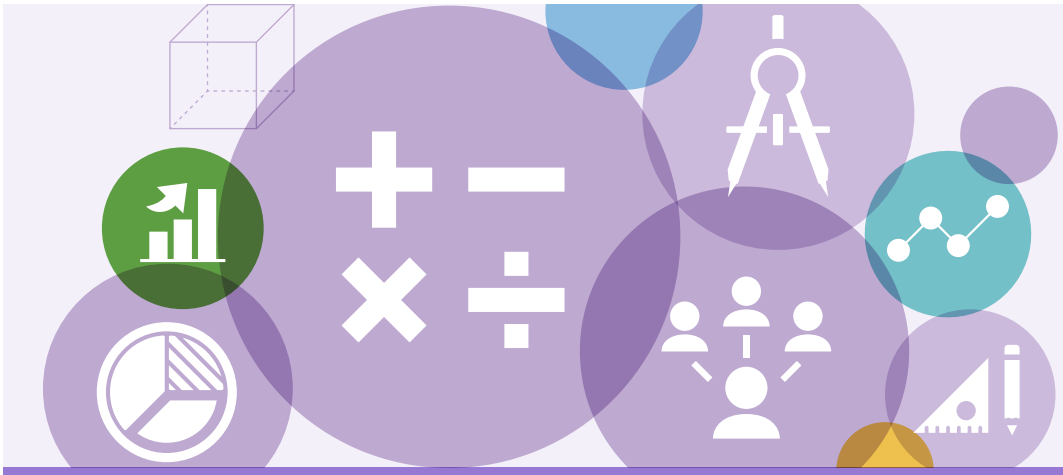


STUDENT VERSION

USING FRACTIONS TO COMPARE AMUSEMENT PARKS BY STATE

Activity Item

The following item is part of this activity and appears at the end of this student version.

- Item 1: Amusement Parks by State, 2022

Student Learning Objectives

- I will be able to make a model of data using fractions.
- I will be able to use my model to answer questions about the data.

NAME:_____ DATE:_____

1. Think about fun places to go in the state where you live. How many amusement parks do you think were in your state in 2022? Circle one of the three sentences below to answer this question.

   - I think there were between 0 and 7 amusement parks in my state.
   - I think there were between 8 and 20 amusement parks in my state.
   - I think there were more than 20 amusement parks in my state.

2. Using the data in **Item 1: Amusement Parks by State, 2022**, fill in the blanks in the sentence below to show how many amusement parks were in your state in 2022.

   My state, _____ , had _____ amusement parks.

3. Was your answer from question 1 correct or incorrect?

4. Of the 50 states in the United States, what fraction had between 0 and 7 amusement parks in 2022 To answer this question, count how many states in **Item 1** have between 0 and 7 amusement parks and write that number in the blank below.

$$\frac{\quad}{50}$$

5. What fraction of states had between 8 and 20 amusement parks in 2022? Count how many states in **Item 1** have between 8 and 20 amusement parks and write that number in the blank below.

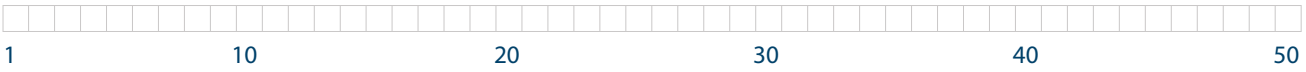
$$\frac{\quad}{50}$$

6. What fraction of states had greater than 20 amusement parks in 2022? Count how many states in **Item 1** have greater than 20 amusement parks and write that number in the blank below.

$$\frac{\quad}{50}$$

7. The chart below is divided into 50 equal parts, and each part stands for one of the 50 states. Use the fractions you counted from questions 4, 5, and 6 to fill in all 50 parts with three colors. Each color should show the fraction of states that have:

   - Between 0 and 7 amusement parks
   - Between 8 and 20 amusement parks
   - Greater than 20 amusement parks



☐ States that have between 0 and 7 amusement parks

☐ States that have between 8 and 20 amusement parks

☐ States that have greater than 20 amusement parks

8. Compare the fraction of states that have between 0 and 7 amusement parks with the fraction of states that have greater than 20 amusement parks, using a comparison symbol. What does your comparison mean?

9. Explain your answer to question 8 using your chart.

10. What is the fraction of states that have between 0 and 7 amusement parks plus the fraction of states that have between 8 and 20 amusement parks? Write a number sentence to show your work.

Reflection Question

If you were going to build a new amusement park in any state in the United States, where would you build it and why? How could you use the data from **Item 1** to help you make your decision?

Item 1: Amusement Parks by State, 2022

Number of Amusement Parks in Each State

	Between 0 and 7	Between 8 and 20	Greater than 20
Alabama		X	
Alaska	X		
Arizona			X
Arkansas	X		
California			X
Colorado		X	
Connecticut		X	
Delaware	X		
Florida			X
Georgia			X
Hawaii	X		
Idaho		X	
Illinois		X	
Indiana	X		
Iowa	X		
Kansas	X		
Kentucky		X	
Louisiana		X	
Maine	X		
Maryland		X	
Massachusetts		X	
Michigan		X	
Minnesota		X	
Mississippi	X		
Missouri			X

	Between 0 and 7	Between 8 and 20	Greater than 20
Montana	X		
Nebraska	X		
Nevada	X		
New Hampshire		X	
New Jersey			X
New Mexico	X		
New York			X
North Carolina		X	
North Dakota	X		
Ohio		X	
Oklahoma		X	
Oregon	X		
Pennsylvania		X	
Rhode Island	X		
South Carolina		X	
South Dakota	X		
Tennessee		X	
Texas			X
Utah		X	
Vermont	X		
Virginia		X	
Washington	X		
West Virginia	X		
Wisconsin		X	
Wyoming	X		