

Greatest, Least and Tied

Find every group with a special count.

GRADE 3 • 3.PS.1.e.ii

3.PS.1.e.ii "Excerpt: Analyze data represented in pictographs and bar graphs, and communicate results orally and in writing: identify parts of the data that have special characteristics, including categories with the greatest, the least, or the same"

NAME _____

DATE _____

Read the graph carefully

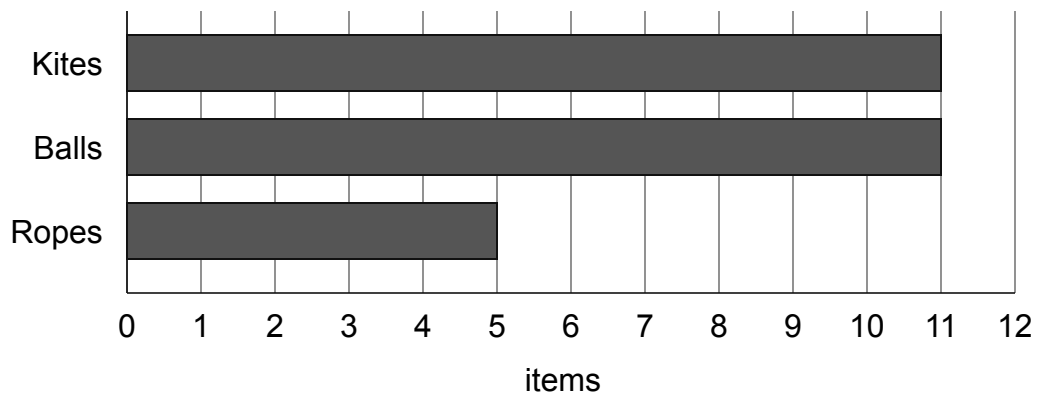
Greatest means the largest count and least means the smallest. Two or more categories can tie. Equal bar lengths or equal symbol counts with the same key show equal amounts. Name every tied category.

Try it together

Which categories tie for greatest, and which is least?

Recess Equipment

Item



Kites and Balls each show 11 items. Ropes shows 5, the smallest count. Kites and Balls tie for greatest at 11; Ropes is least at 5.

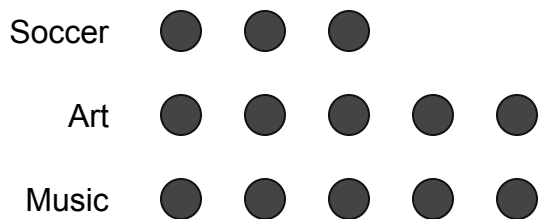
Write each answer. Then explain it aloud to a partner, pointing to the graph evidence. Use the named graph again when a task refers back to it.

1. Find the tied leaders

Name every category with the greatest count and the category with the least. Include the counts.

Activity Votes

Activity / Pictures



● Key: 1 circle = 2 votes

2. Prove the tie

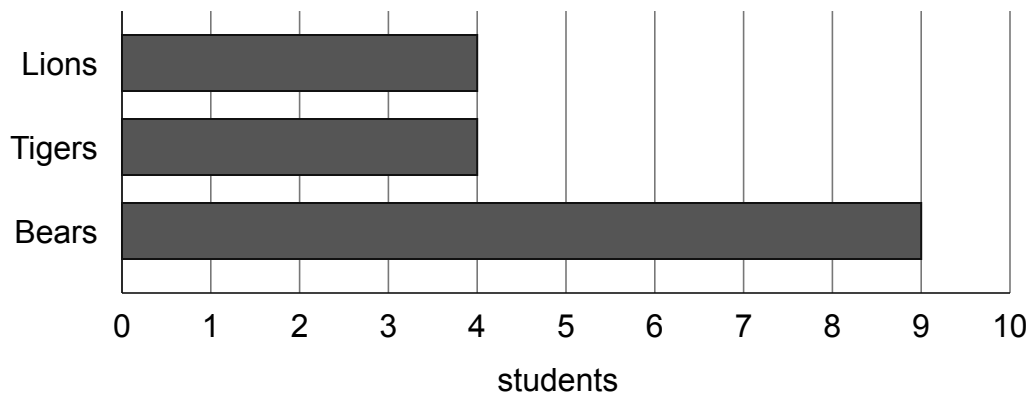
Use Activity Votes. Which two categories have the same count? Explain how the key confirms it.

3. Find the tied smallest groups

Identify every category tied for least and the category with the greatest count.

Club Teams

Team



4. Compare the special groups

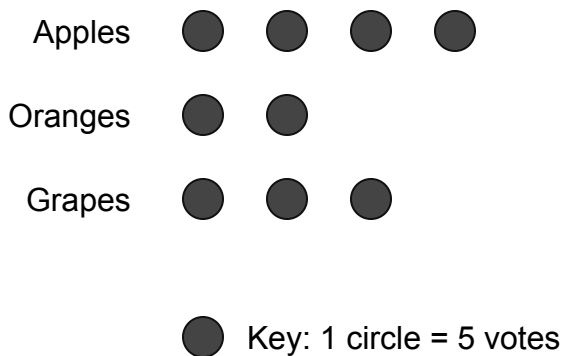
Use Club Teams. How many more students are in the greatest category than in either least category? Show the counts you compared.

5. Read the fruit key

Write the greatest and least categories with their vote counts.

Fruit Votes

Fruit / Pictures



6. Check for equal amounts

Use Fruit Votes. Is any pair tied? Explain using all three counts.

7. A new tie

Use Activity Votes. Four new votes go to Soccer. Write all three new counts and describe the tie.

TEACHER NOTES

Check all tied categories, not just one. Greatest and least can each include several groups. If all counts are equal, every category is tied for both greatest and least. Require correct counts from the scale/key and oral explanations.

TASK 1

Art and Music tie for greatest at 10 votes. Soccer is least at 6.

TASK 2

Art and Music each have 5 circles. Each circle means 2 votes, so each has 10 votes.

TASK 3

Lions and Tigers tie for least at 4 students; Bears is greatest at 9.

TASK 4

5 more students: $9 - 4 = 5$.

TASK 5

Apples is greatest at 20 votes; Oranges is least at 10. 4 circles times 5 is 20; 2 circles times 5 is 10.

TASK 6

No. Apples 20, Oranges 10 and Grapes 15 are all different. Different counts mean there is no tie.

TASK 7

Soccer 10, Art 10, Music 10. All three categories tie for greatest and least because every count is equal.