

Favorite Sports Survey

Analyze the data from a survey about favorite sports!

Part 1: Reading a Bar Graph

Favorite Sports

Soccer: [■■■■■■■■■■] 10

Basketball: [■■■■■■■■] 8

Baseball: [■■■■] 5

Swimming: [■■■■■■■] 7

1. Which sport is the most popular? _____
2. How many students chose basketball? _____
3. How many more students chose soccer than baseball?

4. Which sport received 7 votes? _____
5. How many students voted in total? _____

Part 2: Reading a Pictograph

Favorite Fruits (Key: 🍎 = 2 votes)

Apple: 🍎🍎🍎🍎

Banana: 🍌🍌🍌

Orange: 🍊🍊

6. How many votes did apples get? _____

7. How many votes did bananas get? _____

8. Which fruit is the least favorite? _____

9. How many more votes did apples get than oranges?

10. If 5 more people voted for bananas, how many 🍎 symbols would you need? _____

Part 3: Data Puzzles

11. A bar graph shows 12 votes for cats. A pictograph shows the same data with a key of 🐱 = 3 votes. How many cat symbols are there?

12. If a bar for "red" is twice as long as a bar for "blue" (which has 5 votes), how many votes does "red" have? _____

13. A pictograph key is ★ = 5 votes. How many votes do 6 stars represent? _____

14. In the bar graph, if 3 students changed their vote from soccer to swimming, what would be the new total for swimming?

15. In the pictograph, what is the total number of votes for all fruits?

Answer Key

1. Soccer | 2. 8 | 3. 5 | 4. Swimming | 5. 30 | 6. 8 | 7. 6 | 8. Orange | 9. 4 | 10. 5.5 (or 5 and a half) | 11. 4 | 12. 10 | 13. 30 | 14. 10 | 15. 18