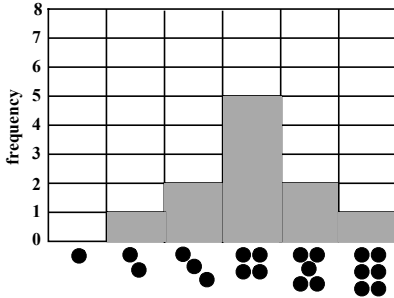


MathFLIX CHALLENGE

A Statistical Analysis Puzzle

Understanding Mean, Mode, Median and Range helps you learn how to do a Statistical Analysis.

Kevin rolled a dice 11 times and recorded the results of each roll on this bar graph.



The number he rolled most often was 4 so that is his **mode**. His **median** is the number in the middle of the data when it is arranged smallest to largest, which is 4. To find his **range**, he subtracted the smallest data from the largest. To calculate the **mean**, he multiplied each value number by its frequency, added the totals (44) then divide the sum of these numbers by his 11 data points, which is the number of times he rolled the dice. **mean** = $(2 \times 1 + 2 \times 2 + 4 \times 3 + 2 \times 4 + 2 \times 1) \div 11 = 4$

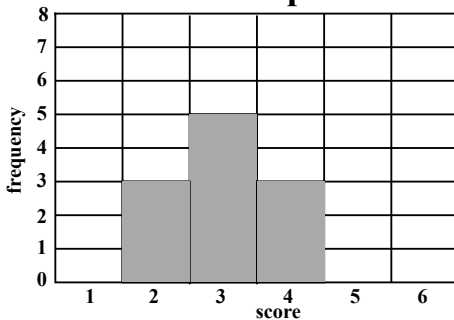
Statistics Table

Mean	4
Mode	4
Median	4
Range	From 2 to 6

Match Bar Graphs and Statistics Tables

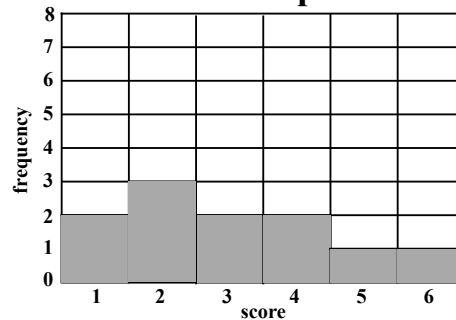
Study the bar graphs below and use the clues provided in the statistics tables to match the correct table with the bar graph; then, complete the table.

Bar Graph A



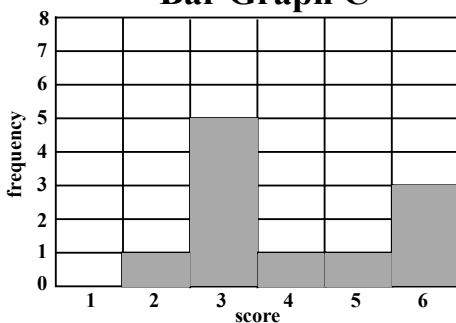
Bar Graph A
matches
Statistics Table

Bar Graph B



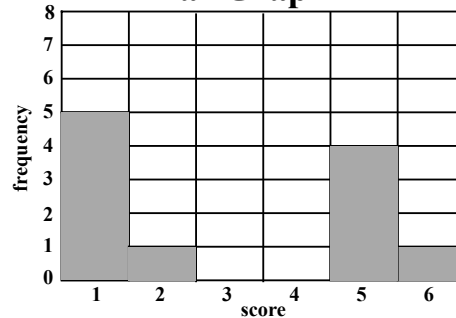
Bar Graph B
matches
Statistics Table

Bar Graph C



Bar Graph C
matches
Statistics Table

Bar Graph D



Bar Graph D
matches
Statistics Table

Statistics Table A

Mean	4
Mode	
Median	3
Range	

Statistics Table B

Mean	
Mode	3
Median	3
Range	From 2 to 4

Statistics Table C

Mean	
Mode	
Median	2
Range	From 1 to 6

Statistics Table D

Mean	3
Mode	2
Median	
Range	