

Monday-

Frequency Table

NOTES:

What is a frequency table?

Draw an Example:

Tuesday-

Create your own Frequency Table

Directions: Take turns rolling the dice at your table. Roll the dice 30 total times, each time recording what the number is you've rolled in the frequency table below. Use tally marks to keep track of the frequency of each number rolled. Don't forget to title it specifically based off of our data.

TITLE _____

1	
2	
3	
4	
5	
6	

Wednesday-

Mean, Median, Mode, Range

NOTES

	Definition	Example
Mean		
Median		
Mode		
Range		

Mean, Median, and Average

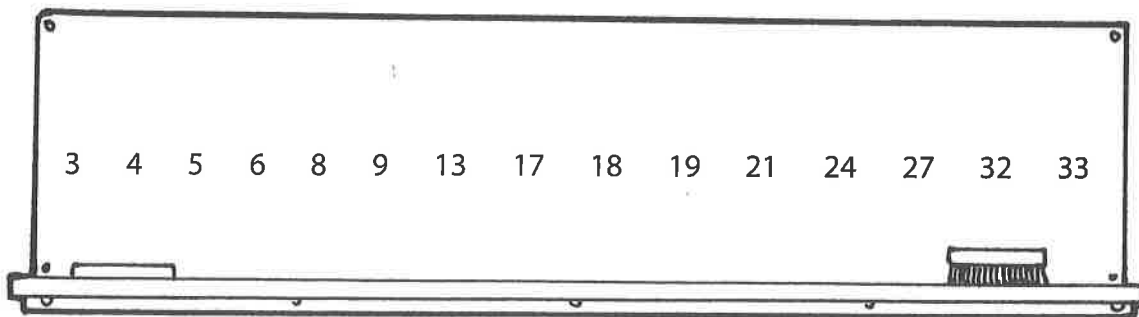
The **mean** of a set of numbers is also called an average.
 The **median** of a set of numbers is the number in the middle when the numbers are placed in order from smallest to largest. If you have an **even set** of numbers, then the median is the average of the two middle numbers in the order.

Solve.

- 1 There are twenty students. Ten are 11 years old, seven are 10 years old, one is 9 years old, and two are 12 years old. What is the mean age of these students?

- 2 What is the median age of the students listed in Problem 1? _____

- 3 You walk into class, and these numbers are written on the board:



If your teacher asked you what the median number is, what would be your answer?

- 4 The boys' basketball team played six games last season. The team's point totals in the games were as follows:

- Game 1: 54 points
- Game 2: 44 points
- Game 3: 58 points
- Game 4: 46 points
- Game 5: 61 points
- Game 6: 53 points

What was the team's mean score for the season? _____

Mean, Median, Mode, and Range

The **mode** of a set of numbers is the number that is repeated the most.

The **range** is the highest number minus the lowest number.

Solve.

- 1 There are twenty students. Ten are 11 years old, seven are 10 years old, one is 9 years old, and two are 12 years old. What age would represent the mode?

- 2 When at the park, you notice all the different types of shoes the children wear. You decide to count the different types and came up with these numbers:

Tennis shoes 20	Dress shoes 5
Sandals 10	Hi-tops 8
Boots 7	Slip-ons 10



Which shoes would be the mode? _____

- 3 Here are the point totals for the girls' volleyball games this season:

15, 21, 18, 12, 11, 14, 21, 16, 21, 18, 9, 11, 21, 11, 19

What is the mean? What is the median? What is the mode? What is the range?

- 4 You surveyed many students in your school by asking: *Do you like to go to the movies?* Here were the counts of those students who said yes:

Grade 1: 15	Grade 2: 10	Grade 3: 12
Grade 4: 18	Grade 5: 19	Grade 6: 21

What would the range be for those that answered yes? _____