

# Lesson 9.1: Intro to Stats

## Targets

1. I can find the mean, median and mode.
2. I can describe distribution with center and spread.

## Statistics Intro: Mean, Median, and Mode

Write a definition for the following words:

Average:

Arithmetic Mean:

Median:

Mode:

Central Tendency:

## Finding Mean, Median, and Mode

First attempt this problem on your own. Then watch the video and copy his notes.

*Find the mean, median and mode of this set of numbers: 23, 29, 20, 32, 23, 21, 33, 25*

Your attempt:

Video Notes:

Mean:

Mean:

Median:

Median:

Mode:

Mode:

## Khan Activity: Mean, Median, and Mode

Complete this activity on Khan.

## Khan Activity: Calculating the Mean

Complete this activity on Khan.

## Statistical and Non-Statistical Questions

First attempt this problem on your own. Then watch the video and copy his notes.

Read each question and determine if it is a Statistical Question or not. If it is, write yes, if it is not, write no.

Your Attempt	The Questions	Video's Answer
	How old are you?	
	How old are the people who have watched this video in 2013?	
	Do dogs run faster than cats?	
	Do wolves weigh more than dogs?	
	Does it rain more in Seattle than Singapore?	
	What was the difference in rainfall between Singapore and Seattle in 2013?	
	In general, will I use less gas driving at 55 mph than 70 mph?	
	Do English professors get paid less than math professors?	
	Does the most highly paid English professor at Harvard get paid more than the most highly paid math professor at MIT?	

### Khan Activity: Statistical Questions

Complete this activity on Khan.

### Exploring the Mean and Median

Watch this video and then answer these questions:

1. What do you do to the data to make the median be what you want?
2. What do you do to the data to make the mean be what you want?

### Khan Activity: Exploring Mean and Median

Complete this activity on Khan.

### Exit Ticket

1. Have all your notes filled out above.
2. Complete the following Khan Academy Activities:
  - a. Mean, Median, and Mode
  - b. Calculating the Mean
  - c. Statistical Questions
  - d. Exploring Mean and Median