

# Today's Plan:

**Learning Target (standard):** I will calculate the 5-number summary for a set of data and use it to create a box-and-whisker plot.

**Students will:** Complete practice problems over previous concepts at the boards, put up homework problems on the board and make necessary corrections to their own work, and complete practice problems.

**Teacher will:** Provide practice problems over previous concepts, check homework problems for accuracy and provide students feedback, describe and provide examples of new concepts and assign students assessment problems over review concepts.

**Assessment:** Board work, homework check and homework assignment

**Differentiation:** Students will work at the board, go over and correct homework at their seats, actively engage in lecture over new concepts, practice review concepts with the aid of other students and the teacher and complete homework assignment.

NAME \_\_\_\_\_ #149

**geometric** **BELL RINGER** 0:00:00

1.) Write the next three terms of the arithmetic sequence: 5, 2, -1, -4, -7, ...

**"common difference"**  $d = -3$

$5, 2, -1, -4, -7, \dots$   
 $-3, -3, -3$   
 $-10, -13, -16$

2.) Solve the system by graphing.

①  $x + 2y = 4$   
 ②  $-x + 2y = 4$

$2y = -x + 4$   $m = -\frac{1}{2}$   
 $y = -\frac{1}{2}x + 2$   $Iy: (0, 2)$

3.) Solve  $|2x - 1| = 4$ .

$X = -\frac{3}{2}, \frac{5}{2}$

$2x - 1 = -4$   $2x - 1 = 4$   
 $2x = -3$   $2x = 5$   
 $x = -\frac{3}{2}$   $x = \frac{5}{2}$

$2x - 1$   $2x - 1$

**independent**  $(0, 2)$

Find and label the 5-number summary. Use this summary to draw a box-and-whisker plot for each data set.

5)

Basketball Tournament					
School	Appearances	School	Appearances	School	Appearances
UC Santa Barbara	5	Loyola-Chicago	5	New Mexico	15
Cal State Fullerton	2	Colgate	2	Central Michigan	4
Texas-Arlington	1	BYU	29	Washington	16
Miami (OH)	17				

minimum = 1 appearance

$Q_1 = 2$  appearances

$Q_2 = 5$  appearances

$Q_3 = 16$  appearances

maximum = 29 appearances

IQR = 14 appearances

Basketball Tournament  
Appearances

# of Games

-4-

# Assignment:

Spring 2018 HS Algebra I Item Release

\* This is an Edulastic assignment and will be graded for accuracy. \*