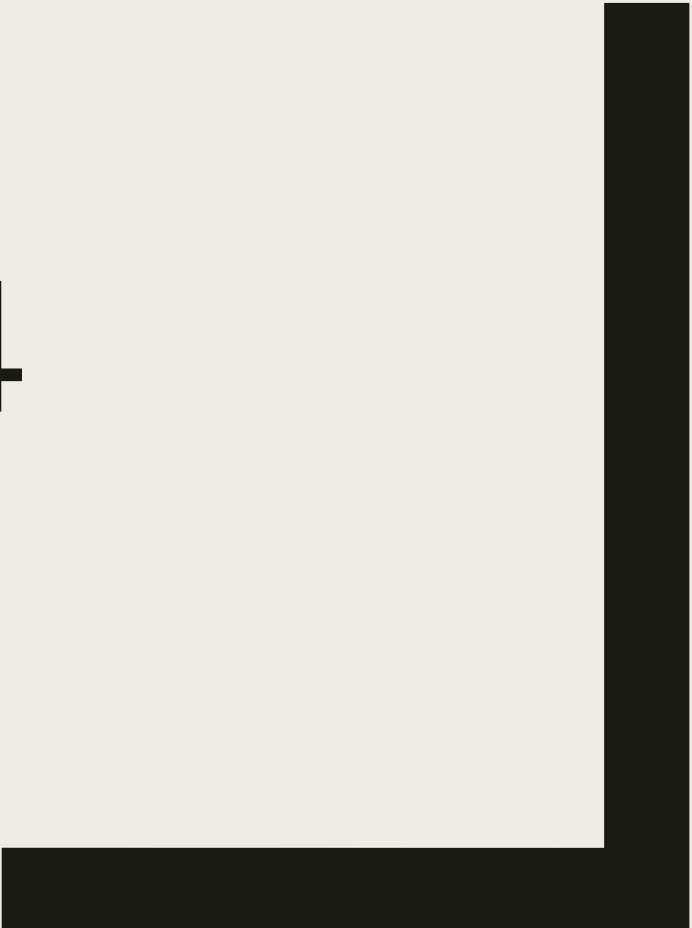




# ALGEBRA 4

Day 58



# Today's Game Plan

- Bell Work
- Copy down things to study so you know what is on the test
- Take a small OPEN NOTE quiz [turn in when done]
- Work on review assignment and any missing assignments listed on the board [infinite campus is up to date as of Friday so check online if you're not sure]

# Bell Work

What fraction lies exactly halfway between  $\frac{2}{3}$  and  $\frac{3}{4}$  ?

**F.**  $\frac{3}{5}$

**G.**  $\frac{5}{6}$

**H.**  $\frac{7}{12}$

**J.**  $\frac{9}{16}$

**K.**  $\frac{17}{24}$

# Bell Work Explained:

- To find the middle of two numbers (fractions or not) we simply add the two numbers together and divide it by 2.
- We can do this in the calculator (use the fraction a b/c button) and add the two fractions together. Then divide the answer by 2.
- Your answer is: K

# Things to Study

## Level 2:

Fundamental Counting

Principal

Combination & Permutation

Probability

Mutually Exclusive

Independent vs Dependent

## Level 3:

Set up & Solve Combination  
and Permutation

Probability with multiple  
events

## Level 4:

Set up and solve your own  
probability problems

## Quiz: Level 2

- You have 10 shirts and 8 pairs of pants. How many outfits could you wear?
- A bag has 6 red, 4 green, and 10 blue marbles.  
*Find  $P(\text{green})$*   *$P(\text{not red})$*
- Is the following independent or dependent: a student flips a coin and they roll an even number on a die?

# Quiz: Level 3

- If you have 6 novels, and 4 comic books in your backpack. How many ways can you randomly select two of them to read?
- A bag has 6 red, 4 green, and 10 blue marbles.  
*Find  $P(\text{green or red})$*   
 *$P(\text{red then red})$  [with and without replacement]*

## Quiz: Level 4

The dance coach has decided to randomly choose 4 players to represent the team as captains. The team consists of 12 seniors and 8 juniors. What is the probability that only one senior will be chosen?



# Review Assignment

Page 752 #5-31

Page 757 #1-10, 18, 20