Bell Work

Algebra 2C

Day 1 - January 5th 2016

Solve and Simplify

1) $\frac{17}{30} + \frac{7}{30} =$

2) $\frac{15}{24} + \frac{6}{24} =$

3) $\frac{13}{40} + \frac{11}{40} + \frac{16}{40} =$

Day 2 - January 6th 2016

Pretest

No Bell Work

Day 3 - January 7th 2016

No Bell Work

Day 4 - January 11th 2016

You roll a 6-sided die. Find the probability of each event.

Event A: Rolling a 3 =

Event B: Rolling a 7 =

Event C: Rolling a number less than 5 =

Day 5 - January 12th 2016

Draw a Venn Diagram for the following description:

20 total people are in Math, 25 total people are in English, 4 people are in both classes.

Day 6 - January 13ᵗʰ 2016

2 cards are being drawn from a standard deck of cards. What is the probability?

1) A heart and diamond:
2) A heart then a red card:
3) A heart or a diamond:

Day 7 - January 14th 2016

Identify the sample space of the probability experiment and list the possible outcomes of the event: Hint: Use a tree diagram.

A bag has a red and a blue marble that you randomly pull out three times and replace.

1) What is the sample space?
2) List the possible outcomes?

Day 8 - January 19th 2016

Based on the 2-way frequency table, what is the probability that:

|	Gender		
	Male	Female	Total
Going to College	16	13	29
Not Going to College	14	9	23
Total	30	22	52

1) One of the people surveyed was mail?
2) One of the people surveyed is going to college?

Day 9 - January 20th 2016

Is Zero an even number? Explain your answer.

Day 10 - January 21ˢᵗ 2016

1) A person spins this spinner. The first spin is a 7. What is the probability that the second will be a 7?
2) Are theses events Independent or Dependent?
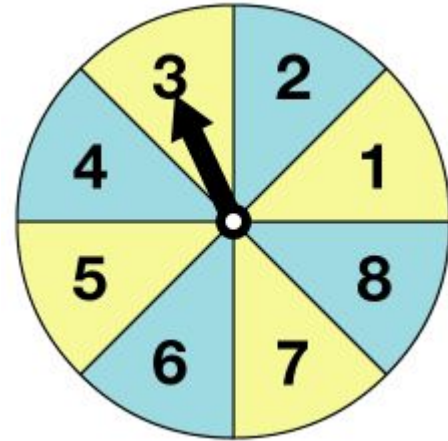
Day 11 - January 25th 2016

A bag of marbles has: 7 green marbles, 3 red marbles, 5 brown marlbles

Find the following probabilities

1. P(Green)
2. P(Green OR Red)
3. P(Second Marble is Green | First Marble is Red)

Day 12 - January 26th 2016

A license plate number has 4 digits, each only using the numbers 1-9. It is also followed by 2 letters. All letters and numbers can repeat. How many different License plate combinations are there?

Day 13 - January 27th 2016

You roll an 8-sided die. What is the probability that you will roll an even number or a number less than three?

Day 14 - January 28th 2016
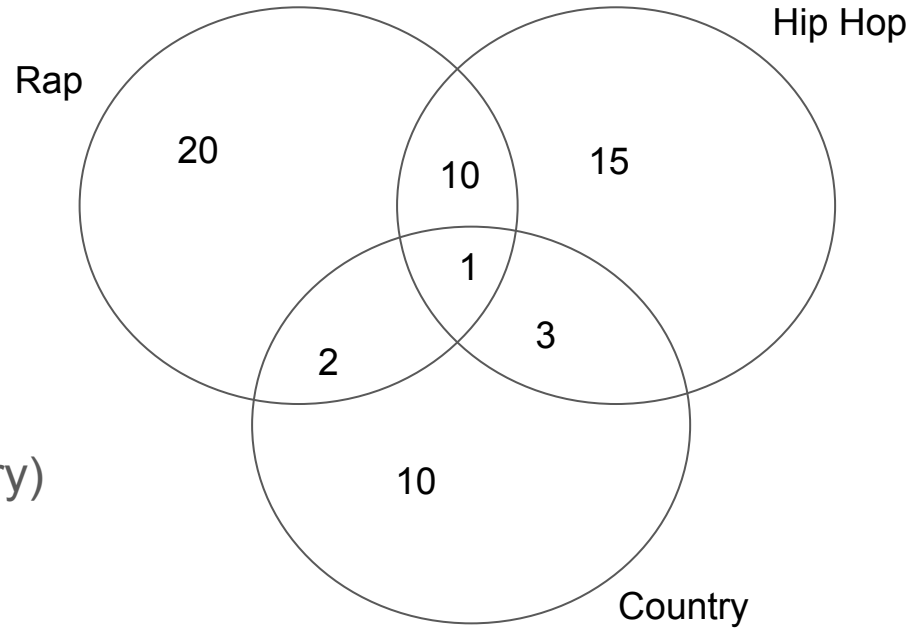
1. P(Rap | Hip Hop)
2. P(Country | Rap)
3. P((Rap or Hip Hop) | Country)

Rap

Hip Hop

20

10

15

1

2

3

10

Country

Day 15 - February 1ˢᵗ 2016

A GROUP OF STUDENTS HAVE THE FOLLOWING NUMBER OF PAIRS OF SHOES IN THEIR CLOSET:

2, 3, 3, 4, 5, 6, 11

CALCULATE THE THREE FOLLOWING MEASURES OF CENTRAL TENDENCY.

MEAN

MEDIAN

MODE

Day 16 - February 2nd 2016

Annual Salaries Annual salaries (in thousands of dollars) for municipal employees in Los Angeles and Long Beach are listed.
Los Angeles: 20.2, 26.1, 20.9, 32.1, 35.9, 23.0, 28.2, 31.6, 18.3
Long Beach: 20.9, 18.2, 20.8, 21.1, 26.5, 26.9, 24.2, 25.1, 22.2
  Find the mean, range and standard deviation for each data set.

  Based on this information which city would you want to work in and WHY?

Day 17 - February 3rd 2016

WITH A PARTNER ROLL 5 SIX-SIDED DICE TWENTY TIMES, FOR A TOTAL OF 100 ROLLS. TALLY THE RESULTS AND CREATE A BAR GRAPH FROM THE RESULTS.

Day 18 - February 3rd 2016

IF A NORMAL DISTRIBUTION HAS A MEAN OF 500 AND A STANDARD DEVIATION OF 100, WHAT VALUES WOULD FALL WITHIN 68%?

Day 20 - February 9th 2016

P(Basketball | Football)
P(Football | Basketball)
P(Basketball | Baseball)

Day 21 - February 10th 2016

CALCULATE THE MEAN AND STANDARD DEVIATION OF THE FOLLOWING DATA.

9, 2, 5, 4, 12, 7, 8, 11

Day 22 - February 11ᵗʰ 2016

BELL RINGER ACTIVITY:

THE SCORES ON A STATEWIDE MATH EXAM WERE NORMALLY DISTRIBUTED WITH M=82.32 AND Σ=6.

CHRISTOPHER SCORED 90 ON THE EXAM.

CHRISTOPHER'S EXAM GRADE WAS HIGHER THAN WHAT PERCENTAGE OF TEST-TAKERS?

USE A Z-TABLE TO CALCULATE.

Day 23 - February 16th 2016

GIVEN THIS TWO-WAY FREQUENCY TABLE
FIND:
  P(MALE|SPORTS CAR)
  WHAT IS THE PROBABILITY THAT
    A PERSON IS FEMALE ASSUMING THAT THEY LIKE
    SPORTS CARS?

	Sport Utility Vehicle (SUV)	Sports Car	Totals
male	21	39	60
female	135	45	180
Totals	156	84	240

MathBits.com

Day 24 - February 17th 2016

You roll a 6-sided die. Find the probability of each event.

Event A: Rolling a 3 =

Event B: Rolling a 7 =

Event C: Rolling a number less than 5 =

Day 25 - February 18th 2016

The class test average was 72%. The Standard Deviation was 9%. And your test score was 85%.

What is your Z score?

What percentage of the class did you do better than?

Draw the Normal Bell Curve and label it with the correct values of the 3 standard deviations to either side.