Warm Up: Alg 2 9/4

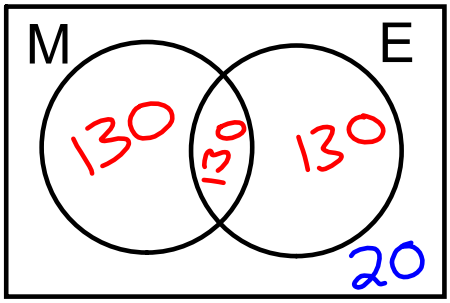
There are 410 students total.

There are 390 students who take Math or Economics

130 take Math and Economics

There are 260 student who take math

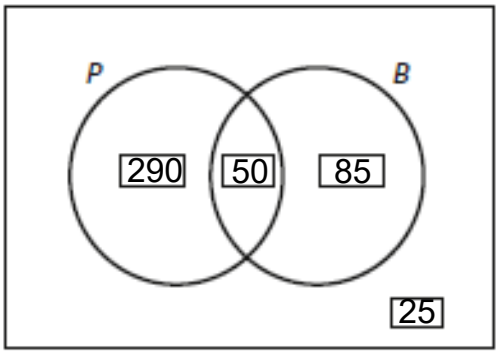
Complete the Venn



Feb 27-7:39 AM

Solutions to P.W.:

1)

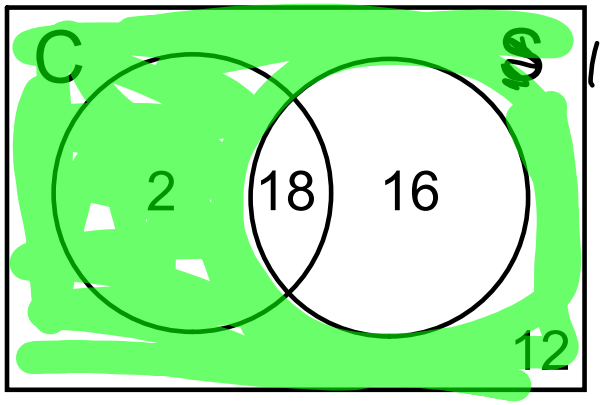


450

Dec 31-10:07 PM

Solutions to P.W.:

2)



Dec 31-10:07 PM

Solutions to P.W.:

3) a. 29

b. 7

c. 44

d. 5

e. 49

f. 20

g. 27

h. The complement of G is the set of all non goldfish

i. All fish is more than just the none gold fish

Dec 31-10:07 PM

W.A.L.T.:

Connect our understanding of Venn Diagrams to probability problems with "and", "or" and "not".

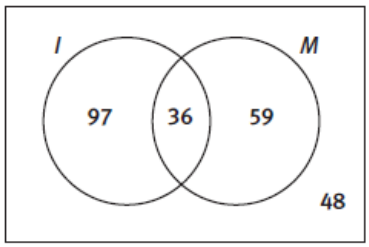
W.A.S.I:

We can use the venn diagram and our understanding of "and", "or" and "not" to write in new notation.

Mar 7-9:45 AM

In Class Work:

At Kennedy High School, some students take Italian and some do not. Some students take music and some do not. Let I be the set of students who take Italian, and let M be the set of students who take music.



I^c

$I \cap M$

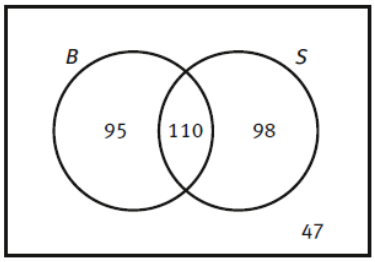
$I \cup M$

a. What does the number "36" in the Venn diagram tell us?
b. What does the number "59" tell us?
c. What does the number "48" tell us?
d. How many students take Italian or music?
e. How many students do not take Italian?

Mar 7-1:33 PM

In Class Work:

Attend to precision. The Venn diagram represents the numbers of students who have at least one brother (B), at least one sister (S), both, or neither.



a. How many students have at least one brother and at least one sister?

b. How many students have at least one brother or at least one sister?

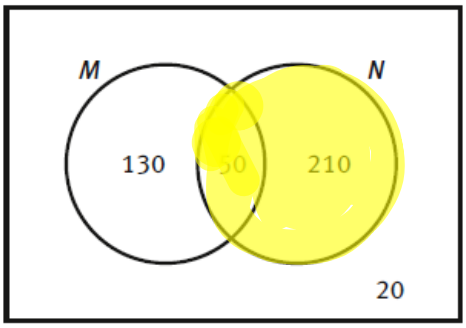
c. How many students have at least one sister and no brothers?

d. How many students have at least one brother and no sisters?

e. How many students have no brothers or sisters?

Mar 7-1:33 PM

In Class Work:



a. $P(M \mid N)$

b. $P(N \mid M)$

c. $P(M \cap N \mid N^C)$

d. $P(M^C \mid N)$

Mar 7-1:33 PM

33. a. $\frac{50}{260} = \frac{5}{26}$ b. $\frac{50}{180} = \frac{5}{18}$

c. $\frac{0}{150} = 0$ d. $\frac{210}{260} = \frac{21}{26}$

Sep 3-11:19 PM

Today's Activities:

- Notes, Worksheet #4, 7, 9

P.W. for tonight:

- Worksheet: Venn Diagram
Probability Practice #1 - 10

Day 4

Dec 31-9:59 PM