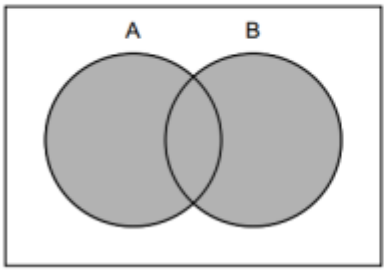
Honors Math II
Unit 10 day 5 notes

Name_____
Period_____Date_____

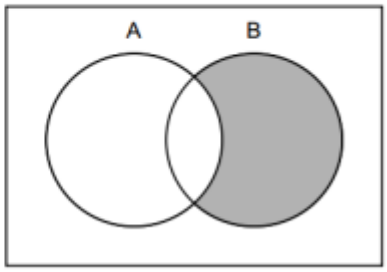
Can you read a venn diagram??

Name the Shaded Regions for the Venn Diagrams

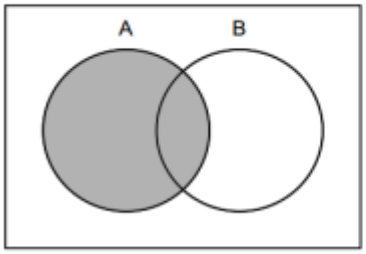
1) Region _____



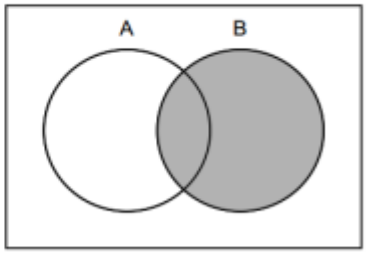
2) Region _____



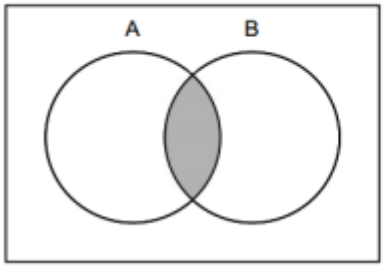
3) Region _____



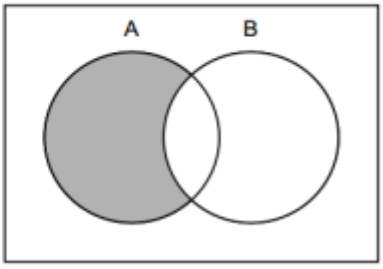
4) Region _____



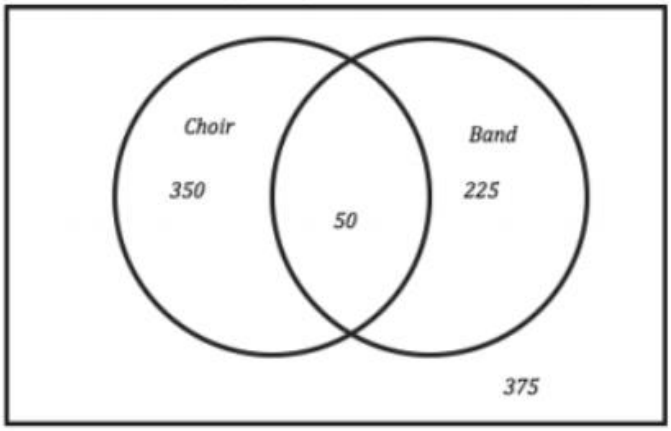
5) Region _____



6) Region _____



For each Venn Diagram provided answer the questions.



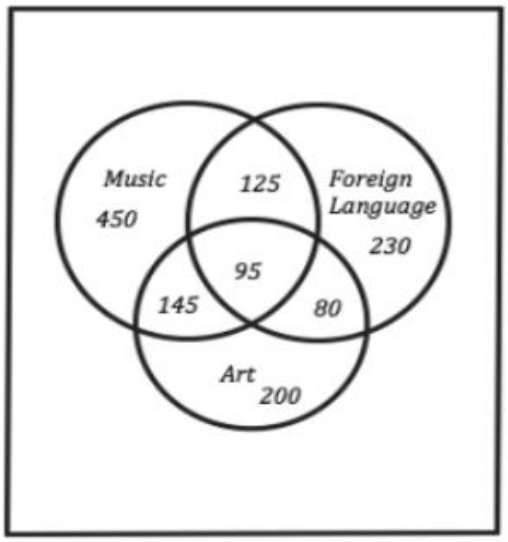
1. How many students were surveyed?

2. What were the students asked?

3. How many students are in both choir and band?

4. How many students are not in either choir or band?

5. What is the probability that a randomly selected student would be in band?



This Venn Diagram represents enrollment in some of the elective courses.

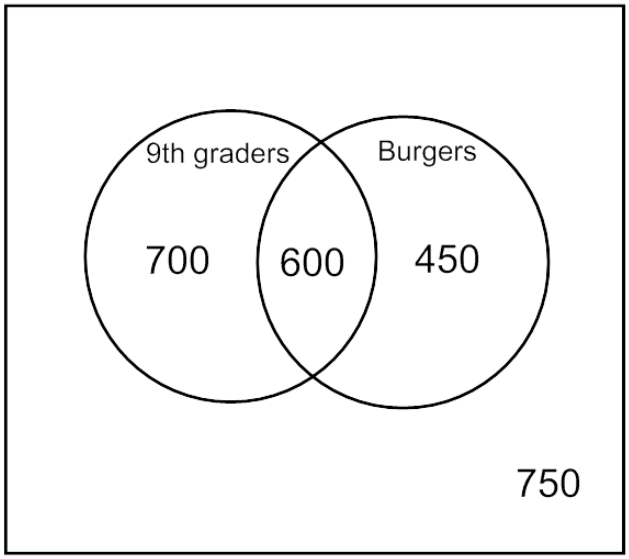
6. What does the 95 in the center tell you?

7. What does the 145 tell you?

8. How many total students are represented in the diagram?

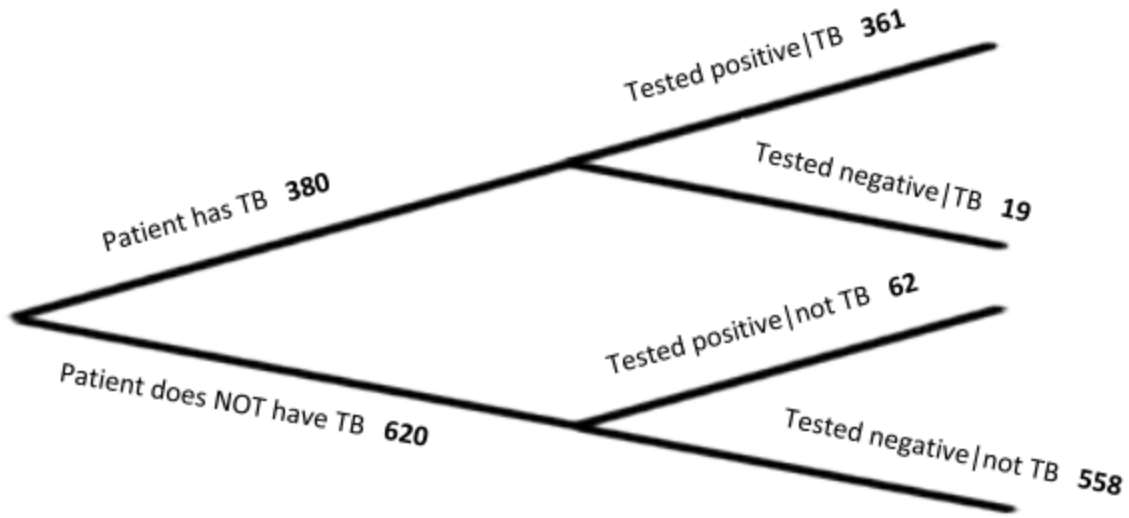
9. Which elective class has the least number of students enrolled?

9th and 10th graders were surveyed during lunch. They were asked what grade they are in as well as if they prefer Pizza or Hamburgers. A Venn diagram has been created. Label what each number represents.



Tree Diagram

Tuberculosis (TB) can be tested in a variety of ways, including a skin test. If a person has turberculosis antibodies, then they are considered to have TB. Below is a tree diagram representing data based on 1,000 people who have been given a skin test for turberculosis.



How many people were tested?

How many tested positive? What percent is that?

How many are false positives? What percent is that?

In this situation, explain the consequences of errors?

Name one more observation you noticed.

Use the space you were provided to make a tree diagram for the following problem.

Problem: Summer's here and the ice cream truck is in town. The truck offers 3 flavors of ice cream: vanilla, chocolate, and strawberry. The topping choices are walnuts, sprinkles, and chocolate fudge and cookie crumbs. Zoe only has enough money for one scoop with one topping. How many choices does she have?

Use a tree diagram to show how many total combinations there are.