More Union Intersection

- 1. In a survey of 100 people, 60 like pizza, 50 like burgers, and 30 like both. How many people like either pizza or burgers but not both?
- A group of 50 students is surveyed, and it is found that 30 like sports,
 20 like music, and 10 like both. What is the size of the set of students who do not like either sports or music?
- 3. A grocery store sells 40 types of fruit and 30 types of vegetables. If 20 of the fruits are organic and 15 of the vegetables are organic, how many types of produce are organic?
- 4. A university has 3000 students. 2000 of them are undergraduate students, and 1000 of them are graduate students. If 800 of the undergraduates are also involved in research, how many students are either undergraduates or involved in research?
- 5. In a class of 40 students, 20 students like math, 15 students like science, and 10 students like both. How many students like either math or science but not both?
- 6. A library has 500 books on history, 400 books on literature, and 100 books on both. How many books are there in the library?
- 7. A factory produces two types of products, A and B. 50% of the products are type A and 30% are type B. If 20% of the products are both A and B, what percentage of the products are neither A nor B?
- 8. In a group of 50 people, 20 people like dogs, 25 people like cats, and 10 people like both. How many people like either dogs or cats, but not both?

- 9. A school has 300 students, and 200 of them play sports, while 100 of them are in the chess club. If 50 students are in both sports and the chess club, how many students are not involved in either activity?
- 10. A grocery store has 100 employees. 60 of them are cashiers, and 40 of them are stockers. If 20 of the employees are both cashiers and stockers, how many employees work in the store but do not work as cashiers or stockers?