

Student: Vilma Pena
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Instructor: Tech Support, Jonathan Byrd, Jennifer Byrom, Nancy Hixson, Kristy Hawkins, Christina Horton, Rakia Law, Joey Fields
Course: MAT1301-14A-1A16-S2
Book: Pirnot: Mathematics All Around, 5e

Assignment: Unit V Homework

47. Of 19 possible books, you plan to take 3 with you on vacation. How many different collections of 3 books can you take?

You can take different collections of 3 books on vacation with you.

48. A town is forming a committee to investigate ways to improve public safety in the town. The committee will consist of four representatives from the six-member town council, three members of a four-person citizens advisory board, and two of the 11 police officers on the force. How many ways can that committee be formed?

That committee can be formed in ways.

49. The academic computing committee at a college is in the process of evaluating different computer systems. The committee consists of seven administrators, seven faculty, and five students. A five-person subcommittee is to be formed. The subcommittee must have a chair and vice chair from the administrators, the other three committee members have no particularly defined roles from the faculty and students. In how many ways can this subcommittee be formed?

The subcommittee can be formed in ways.

50. The academic computing committee at a college is in the process of evaluating different computer systems. The committee consists of five administrators, eight faculty, and five students. A seven-person subcommittee is to be formed. The chair and vice chair of the committee must be administrators; the remainder of the committee will consist of faculty and students. In how many ways can this subcommittee be formed?

The subcommittee can be formed in ways.