## Quiz on 6.2: Counting

- 1. If 100 coffee drinkers were surveyed, and 54 took sugar, and 67 took cream, then:
- (a) What is the maximum possible number of those surveyed that took both?
- (b) What is the minimum possible number of those surveyed that took both?
- (c) If 23 took it black (no cream, no sugar), then how many took both?
- 2. If 100 food-eaters were surveyed, and 80 ate dinner, 75 ate lunch, and 65 ate breakfast:(a) What is the maximum number that ate all three meals?
- (b) What is the minimum number that are all three meals?
- (c) If 42 ate both breakfast and lunch, 47 ate both breakfast and dinner, and 57 are both lunch and dinner, then how many ate all three meals?