✓ **Congratulations! You passed!**

Grade received 100%   **To pass** 80% or higher

Go to next item

1. Objective probability is based on personal feeling, experience, or judgment.   `1 / 1 point`

   ○ True

   ● False

   > ✓ **Correct**
   > Subjective probability is based on personal feeling, experience, or judgment. Objective probability is based on statistics, experiments, and mathematical measurements.

2. Fill in the blank: In statistics, a number between _____ is used to express the probability that an event will occur.   `1 / 1 point`

   ● 0 and 1

   ○ -1 and 0

   ○ 1 and 2

   ○ -1 and 1

   > ✓ **Correct**
   > The probability that an event will occur is expressed as a number between 0 and 1. If the probability of an event equals 0, there is a 0% chance that the event will occur. If the probability of an event equals 1, there is a 100% chance that the event will occur.

3. The probability of no snow tomorrow equals 1 minus the probability of snow tomorrow. This is an example of what rule of probability?   `1 / 1 point`

   ○ Division rule

   ● Complement rule

   ○ Addition rule

   ○ Multiplication rule

   > ✓ **Correct**
   > This is an example of the complement rule, which states that the probability that event A does not occur is 1 minus the probability of A. In statistics, the complement of an event is the event not occurring.