BOZEMAN VIDEO- Multiplication and Addition

MULTIPLICATION
“ independent events in sequence “ \_\_\_\_\_\_\_\_
 “clue word”

1. Rolling “snake eyes” on two pair of dice.

2. Picking a three out of a deck, returning it to the deck,
and then picking a king out of the deck.

1. In a cross between pea plants that are heterozygous for purple
flower color (Pp), what is the probability that the offspring will be
homozygous recessive?

2. In a cross between AaBbCc X AaBBCC what is the
probability that the offspring will be AaBbCC?

ADDITION – “Mutually exclusive events” \_\_\_\_\_\_\_\_
 “clue word”

1. Rolling a two or a five on a six-sided dice.

2. Picking a five or a heart out of a deck of 52 playing cards.

1. In a cross between pea plants that are heterozygous for purple
flower color (Pp), what is the probability of the offspring being a
heterozygote?

2. In a cross between AaBbCc X AaBBCC what is the
probability that the offspring will be AABbCc or AABBCC?