

TOPIC 12-1

Probability

TOPIC ESSENTIAL QUESTION:

How can you find the probability of events and combinations of events?

TARGET ESSENTIAL QUESTION:

How does describing events as mutually exclusive or independent affect how you find probabilities?

TARGET:

I can use relationships among events to find probabilities.

TOPIC 12-2

Probability

TOPIC ESSENTIAL QUESTION:

How can you find the probability of events and combinations of events?

TARGET ESSENTIAL QUESTION:

How are conditional probability and independence related in real-world experiments?

TARGET:

I can find the probability of an event given that another event has occurred.

TOPIC 12-3

Probability

TOPIC ESSENTIAL QUESTION:

How can you find the probability of events and combinations of events?

TARGET ESSENTIAL QUESTION:

How are permutations and combinations useful when finding probabilities?

TARGET:

I can use permutations and combinations to find the number of outcomes in a probability experiment.

TOPIC 12-3

Probability

TOPIC ESSENTIAL QUESTION:

How can you find the probability of events and combinations of events?

TARGET ESSENTIAL QUESTION:

What does a probability distribution tell you about an experiment?

TARGET:

I can define probability distributions to represent experiments and solve problems.

TOPIC 12-5

Probability

TOPIC ESSENTIAL QUESTION:

How can you find the probability of events and combinations of events?

TARGET ESSENTIAL QUESTION:

What does expected value tell you about situations involving probability?

TARGET:

I can calculate, interpret, and apply expected value.

TOPIC 12-6

Probability

TOPIC ESSENTIAL QUESTION:

How can you find the probability of events and combinations of events?

TARGET ESSENTIAL QUESTION:

How can you use probability to make decisions?

TARGET:

I can use probability to make decisions.