## Single-stage Experiment

## Multistage Experiment

## Probability Trees

Examples

Tree diagrams and products of probabilities

Example C—how to simply your tree diagram

Independent Events
Probability of Independent Events (A and B)—Multiplication Property

Example D
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| Other ideas |
| :--- |
| Dependent Events |
| Example G |
|  |
|  |
| Probability of Dependent Events (A and B) |

## Complementary Events

Example H

## Expected Value

Example J

## Permutations and Combinations

Example M (tile arrangements)
n factorial!

Example N
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Permutation Theorem

Example O

Example P (sets of tiles)

Order matters vs. order does not matter

Combination Theorem

Example Q

Examples

