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| **Determining the Probability of Three Independent Events** | | | |
| Identifies the sample space for two independent events      The sample space is:  1, H; 2, H; 3, H; 4, H; 1, T; 2, T;  3, T; 4, T | Determines the probability of two independent events using the sample space    The theoretical probability of 2, H is:  , or 0.125, or 12.5% | Determines the probability of two independent events using multiplication  The probability of rolling 2 is .  The probability of tossing H is .  So, the probability of the event  2, H is:  × = | Determines the probability of three independent events    The probability of the event:  rolling 2, tossing tails, and landing on green is:  × × = |
| **Observations/Documentation** | | | |
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