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| **Determining the Probability of Three Independent Events** |
| Identifies the sample space for two independent eventsThe 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 spaceThe 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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