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| **Determining the Probability of Events (Dependent Events)** | | | |
| Uses examples to explain the difference between dependent events and independent events  Dependent events: the outcome of one event affects the outcome of the other event, for example, removing a marble from a bag, and not replacing it before a second marble is taken.  Independent events: the outcome  of one event does not affect the outcome of the other event, for example, removing a marble from  a bag, then replacing it before a second marble is taken. | Identifies the sample space for two dependent events      The sample space is:  Y, R; Y, B; R, Y; R, B; B, Y; B, R | Determines the probability of two dependent events using the sample space    From the sample space, the probability of removing blue and yellow marbles is:  = , or 0., or 33.% | Determines the probability of two dependent events using operations  Probability of removing blue then yellow is:  × =  Probability of removing yellow then blue is:  × =  So, the probability of removing blue and yellow marbles is:  + = |
| **Observations/Documentation** | | | |
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