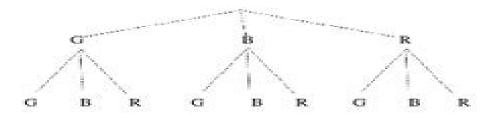
With vs. Without Replacement Notes Math 1R

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Example 1: Draw a tree diagram for selecting 2 marbles with replacement & find the probabilities.

Marbles in Jar: 6 green; 4 blue; 2 red



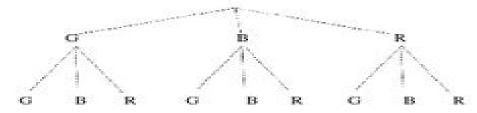
P(both red)

P(both same color)

P(neither the same color)

P(one is red and the other is not red)

Example 2: Draw a tree diagram for selecting 2 marbles WITHOUT replacement & find the probabilities.



P(both red)

P(both same color)

P(neither the same color)

P(one is red and the other is not red)

Hands On Activities To Teach Tree Diagrams

Ying-Ying Zheng

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