

Math 6+: Data, Statistics, and Probability

Probability and Sample Spaces

Sample Spaces

Students	Learning Continuum Statements:
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Students:	
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RIT 191-200:	
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- Determines the sample space for a simple event using lists, tree diagrams, or charts
- Determines the sample space for two compound events using organized lists, tree diagrams, or charts

Students:	
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RIT 201-210:	
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- Determines the sample space for a simple event using lists, tree diagrams, or charts
- Determines the sample space for two compound events using organized lists, tree diagrams, or charts
- Uses the Fundamental Counting Principle to determine the number of possible outcomes

Students:	
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RIT 211-220:	
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- Determines the sample space for a simple event using lists, tree diagrams, or charts
- Determines the sample space for more than two compound events using organized lists, tree diagrams, or charts
- Determines the sample space for two compound events using organized lists, tree diagrams, or charts
- Uses the Fundamental Counting Principle to determine the number of possible outcomes

Students:	
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RIT 221-230:	
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- Determines the sample space for more than two compound events using organized lists, tree diagrams, or charts
- Determines the sample space for two compound events using organized lists, tree diagrams, or charts
- Uses the Fundamental Counting Principle to determine the number of possible outcomes

Students:	
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RIT 231-240:	
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- Determines the sample space for more than two compound events using organized lists, tree diagrams, or charts
- Uses the Fundamental Counting Principle to determine the number of possible outcomes

Students:	
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RIT 241-250:	
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- Applies the solution to the handshake problem to determine the number of possible outcomes
- Uses permutations and combinations to determine the number of possible outcomes

Students:**RIT 251-260:**

- Applies the solution to the handshake problem to determine the number of possible outcomes
- Uses permutations and combinations to determine the number of possible outcomes

Students:**RIT 261-270:**

- Applies the solution to the handshake problem to determine the number of possible outcomes
- Uses permutations and combinations to determine the number of possible outcomes

Students:**RIT 271-280:**

- Uses permutations and combinations to determine the number of possible outcomes