

Logical Reasoning	Algebraic Modeling and Number Sense
<ul style="list-style-type: none"> • Make inferences and justify conclusions from sample surveys, experiments, and observational studies. 	<ul style="list-style-type: none"> • Create and analyze mathematical models to make decisions related to earning, investing, spending and borrowing money.
Descriptive Statistics	Probability
<ul style="list-style-type: none"> • Make decisions based on understanding, analysis and critique of reported statistical information and summaries. • Use basic rules of counting and probability to analyze and evaluate risk and return in the context of everyday situations. • Interpret categorical and quantitative data, make inferences and justify conclusions. • Create and analyze mathematical models to make decisions related to earning, investing, spending and borrowing money. 	<ul style="list-style-type: none"> • Make conclusions based on understanding, analysis and critique of probabilities. (e.g., Compare the chance of having lung cancer if you are a smoker with the chance of being a smoker if you have lung cancer.) • Develop a probability distribution. (e.g., Find the theoretical probability distribution for the number of correct answers obtained by guessing on all five questions of a multiple-choice test where each question has four choices, and find the expected grade under various grading schemes.)