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B. Evaluate and compare strategies on the basis of expected values. For example, compare a high-deductible versus a low-deductible automobile insurance policy using various, but reasonable, chances of having a minor or a major accident.

### Calculate expected values and use them to solve problems.

**S.MD.I.6 (+)** Use probabilities to make fair decisions (e.g., drawing by lots, using a random number generator).

**\*S.MD.I.7 (+)** Analyze decisions and strategies using probability concepts (e.g., product testing, medical testing, pulling a hockey goalie at the end of a game).

(+) The **Proficient** student is able to analyze decisions and strategies using probability concepts (e.g., product testing, medical testing, pulling a hockey goalie at the end of a game).

DRAFT for Public Comment  
on Proposed Ch. 10 Rules, 2022  
PC closes on January 23, 2022