



Apply probability methods in solving problems

Achieved	Merit	Excellence	
Apply probability methods in solving problems.	Apply probability methods, using <u>relational thinking</u> , in solving problems.	Apply probability methods, using <u>extended abstract thinking</u> , in solving problems.	
Relational Thinking - Involves selecting and carrying out a logical sequence of steps, connecting different concepts or representations, demonstrating understanding of concepts, and relating findings to a context.			
Extended Abstract Thinking - Involves devising a strategy, identifying relevant concepts, developing logical reasoning, forming generalizations, and communicating mathematical insight.			

Probability Methods

The methods included in this standard are related to:

- Risk and relative risk
- Normal distribution
- □ Inverse Normal distribution
- □ Experimental distributions
- □ Two-way tables
- Probability trees

Problems

Situations set in real-life or statistical contexts that provide opportunities to apply knowledge or understanding of probability concepts and methods.

Key Vocabulary

Students are expected to understand and use terms related to graphical methods, such as:

Probability	Normal distribution	Two-way table
🗌 Risk	Experimental	Probability tree
Relative risk	distribution	Likelihood
Continuous	Relative frequency	Discrete
Standard deviation	Sample space	🗌 Mean