

Grade 6 - Probability Achievement Chart

Assessment Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding				
The student...				
- distinguishes between favourable outcomes and the total number of possible outcomes	Limited Knowledge	Some Knowledge	Considerable Knowledge	Thorough Knowledge
- expresses theoretical probability as a ratio				
- represents the probability of an event from 0 (will never happen) to 1 (certainly will happen)				
Thinking				
The student...				
- demonstrates mathematical thinking to predict the frequency of an outcome	Limited Effectiveness	Some Effectiveness	Considerable Effectiveness	High Degree of Effectiveness
- deconstructs problems to determine necessary information				
- uses problem solving skills				
Communication				
The student...				
- explains mathematical thinking when predicting outcomes	Limited Effectiveness	Some Effectiveness	Considerable Effectiveness	High Degree of Effectiveness
- communicates using a variety of modes (short answers, lengthy explanations, verbal reports, diagrams, numerically)				
- uses appropriate vocabulary and terminology (e.g. theoretical/experimental probability, outcome, ratio)				
Application				
The student...				
- applies their understanding of probability to solving real life problems	Limited Effectiveness	Some Effectiveness	Considerable Effectiveness	High Degree Of Effectiveness
- transfers knowledge and skills to new contexts and different problems				
- makes connections among concepts of theoretical probability and predicting outcomes				

