


SCOPE & SEQUENCE
GR. 7 – MATH

Student Task

GRADE 7: Math

STRAND: Statistics and Probability (Chance and Uncertainty)

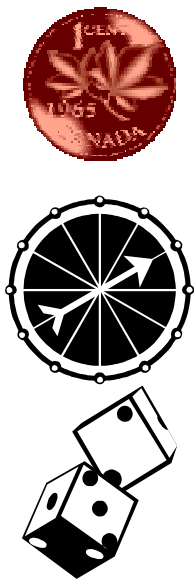
TASK: Solving Problems Using Simulation Software

PRODUCTIVITY TOOL: Simulation Software, Spreadsheet

TIMELINE: 1 Class

LEVEL OF DIFFICULTY: ☺ Easy

The students will use simulation software to simulate the chance and uncertainty of possible outcomes with coin tosses, colored spinners, roll of the dice and combinations of the above. The students will then record the possible outcomes in a table, as well as create and solve problems.



ICT Outcomes

The learner will:

- C1** 3.5 analyze and synthesize information to create a product
- C5** 3.1 access, retrieve and share information from electronic sources, such as common files
- C6** 3.2 identify the appropriate materials and tools to use in order to accomplish a plan of action
 - 3.3 evaluate choices and the progress in problem-solving then redefine the plan of action as necessary
 - 3.4 post and test solutions to problems by using computer applications, such as computer-assisted design or simulation/modeling software
 - 3.5 create a simulation or a model by using technology that permits the making of inferences
- C7** 3.1 identify patterns in organized information
 - 3.2 make connections among related, organized data, and assemble various pieces into a unified message
- F1** 3.1 demonstrate an understanding that information can be transmitted through a variety of media
 - 3.3 apply terminology appropriate to the technology being used at this division level
 - 3.4 demonstrate an understanding that digital technology follows a logical order of operations
 - 3.8 demonstrate an understanding that technology is a process, technique or tool used to alter human activity
- F2** 3.4 evaluate the driving forces behind various technological inventions
- F3** 3.6 model and assume personal responsibility for ethical behavior and attitudes and acceptable use of information technologies and sources in local and global contexts
- P1** 3.2 use advanced word processing menu features to accomplish a task; for example, insert a table, graph or text from another document
- P2** 3.4 use a scientific calculator or a computer to solve problems involving rational numbers






Curriculum Outcomes

GRADE 7: Math

STRAND: Statistics and Probability (Chance and Uncertainty)

TASK: Solving Problems Using Simulation Software

General Outcome

 Create and solve problems, using probability.

Specific Outcomes #9, 10, 11

1. Use a table to identify all possible outcomes of two independent events.
2. Create and solve problems, using that numerical definition of probability at favourable outcomes divided by possible outcomes.
3. Use the Monte Carlo simulation method to solve probability problems.

