

Unit 9

Your last Unit in Grade
9 Math!!!

Statistics and
Probability





①

How many hours a week do you play sports?

facebook

Hours on facebook?

Friends on Facebook?

②

Friends you "know"?

Are you Average?

How could you find out?



How many texts would you send a day?

②

How many hours a week do you spend playing video games?

④



Key Terms for Unit 9

Population: the set of all the things or people being considered

Census: a data collection using each member of the population



The screenshot shows the header of the 2011 Census website. It features the Statistics Canada logo (a red maple leaf) and the text "Statistics Canada" and "Statistique Canada" in the top left. The word "Canada" is in the top right. In the center, there is a large red maple leaf above the text "2011 Census" and the URL "www.census2011.gc.ca". At the bottom, there is a navigation bar with the following links: "Français", "Home", "Contact Us", "Help", "Search", and "canada.gc.ca".

How do your likes, dislikes, opinions and lifestyle compare with those of your friends?



Sample: a portion of a population.








Valid conclusions: results of data collection that represent what is typical of the population

Probability



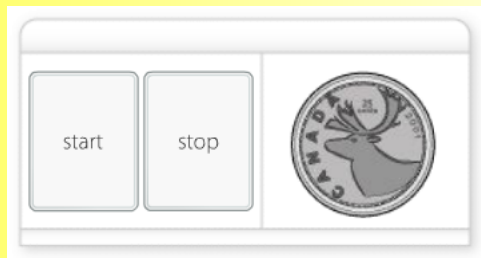
Likelihood that an event will occur



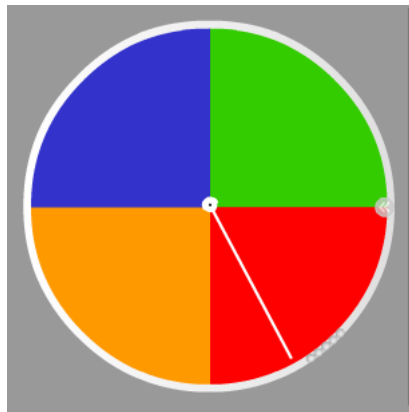
Forecast							More info +
Tonight	Fri	Sat	Sun	Mon	Tue	Wed	
 9°C 60%	 21°C 60%	 11°C 6°C	 14°C -1°C	 18°C 6°C	 17°C 10°C 40%	 16°C 9°C	

Issued : 4:00 PM ADT Thursday 19 May 2011

POF 60%



Theoretical Probability -the number of favorable outcomes written as a fraction of the total number of possible outcomes



Experimental Probability: Probability of an event calculated from experimental results.

Subjective judgement [usually based on feelings or opinions]- spinning the wheel chance of getting red is $\frac{1}{4}$ but you may feel strongly that the coin will always land on green