



**Sabaragamuwa Provincial Department of  
Education – Weekly School**

**Subject :- Mathematics**

**Week- 12 (3<sup>rd</sup> term)**

**Grade :- 8**

**Setting :- Embilipitiya Education Zone**

( Learning Time :- 4 hours)

**Probability**

**29.1 Likelihood of an event occurring.**

- Recall what you learnt about probability in grade 7.
- Events in day today life can be classified into three groups.
  1. Events which definitely occur (likelihood 1)
  2. Events which definitely do not occur (likelihood 0)
  3. Random events (likelihood between 0 &1)
- Complete the exercise 29.1 by studying the pages 149 & 150 in text book (part 2).

**29.2 Experimental probability**

- An experiment of which the possible outcomes are known, but the actual outcome cannot be stated with certainty before the experiment is conducted is called a random experiment. A random experiment has the following common features.
  1. Can be repeated any number of times under the same conditions.
  2. The actual outcome cannot be stated with certainty before the experiment is conducted.
  3. All the possible outcomes of the experiment are known before the experiment is conducted.
- Consider a random experiment with several possible outcomes. Then the likelihood of each outcome is called the probability of that outcome.
- Complete the exercise 29.2 by studying the pages 151 to 155.

**29.3 Theoretical probability**

- Complete the exercise 29.3 by studying the pages 156 & 157.
- Write a summary about what you learnt in the lesson.