



Provincial Department Of Education – Sabaragamuwa  
WEEKLY SCHOOL

Subject : Mathematics

Grade 7

Week : 15<sup>th</sup> of 3<sup>rd</sup> Term

## Unit 29 – Likelihood of an Event Occurring (2)

- **The likelihood of obtaining each of the possible outcomes of an experiment**
  - If each of the outcomes of an experiment is equally likely to occur, then the object used in the experiment is called a fair or an unbiased object.
    - The faces of a regular die are numbered 1, 2, 3, 4, 5 and 6. The die is rolled once and the number on the face that turns upward is observed.



The outcomes of this experiment are getting 1, getting 2, getting 3, getting 4, getting 5 and getting 6. If each of these outcomes is equally likely to occur, then the die used in this experiment is called a “fair die” or an “unbiased die”.

- The faces of a cuboid are numbered 1, 2, 3, 4, 5 and 6. The cuboid is rolled once and the number on the face that turns upward is observed.



The outcomes of this experiment are getting 1, getting 2, getting 3, getting 4, getting 5 and getting 6. The areas of the faces of the cuboid are not the same. It is more likely for the cuboid to land with a face having the greatest area downwards. Therefore, of the six outcomes, certain events are more likely to occur than the others. So the cuboid is not a “fair object”.

- Do all the exercises in Exercise 29.3 in your textbook