



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

Subject :- Mathematics

Week- 5 (3rd term)

Grade :- 8

Setting :- Embilipitiya Education Zone

(Learning Time :-2 hours & 40 minutes)

Number Line & Cartesian Plane

25.1 Number Line.

- Recall what you learned about number line in grade 7.
- Any number that is on the right hand side of a given number on the number line is greater than the given number. This property is applicable to the whole number line. Therefore, this rule can be applied when comparing two integers using the number line.
- Complete the review exercise (1,2,3 problems) by studying the page 102 in text book (Part 2).

25.2 Representing fractions and decimals on a number line.

- Fractions and decimals which are not integers can also be represented on a number line. Such a number is located between two consecutive integers on the number line.
- Study page 104 and complete the activity 1.
- Complete the exercise 25.1 by studying the pages 104 & 105.

25.3 Representing inequalities containing an algebraic term on a number line.

- The set of all values that the algebraic term in an inequality with one algebraic term can take is called the set of solutions of the inequality.
- Complete the exercise 25.2 by studying the pages 106 & 107.

25.4 More on representing inequalities on a number line.

- Study the pages 108 & 109 and complete the exercise 25.3.
- Write a summary about what you learned in this lesson.
- Complete the miscellaneous exercise.