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Subject: - Mathematics	akly School Department of Education, Sabaragamuwa Province/ Weekly School amuwa Province/ Weekly School Department of Education tekly School Department of Education Sabaragamuma	Week: - 6 (1 <sup>st</sup> Term)
Grade: - 8	Education, Sabaragan Education, Sabaragan wa Province/ Weekly School Department ekly School Department of Education, Sabaragan ekly School Department of Education, Sabaragan	onal Education Office

(Learning Time 3 Hours and 20 minutes)

**Directed Numbers** 

- Recall what you have learnt in grade 7 about directed numbers.
  - 1. What are directed numbers?
  - 2. Representing directed numbers on number line
  - 3. Addition of directed numbers (Using the number line and without using the number line)
- Do the review exercise by studying the pages no:37, 38 and 39

4.2 Subtracting a directed number from another directed number

- When subtracting a directed number from a directed number, mark the point which represent the first directed number on the number line and from this point move a distance equal to the magnitude of the second directed number in the direction opposite to that of the second directed number. The directed number which is represented by the ending point is the answer.
- Get an idea about additive inverse by studying the pages no:42 and 43
- Subtracting a number from another number is the same as adding the additive inverse of the second number to the first number.
- Do the exercise 4.1 and exercise 4.2 by studying the pages from 40 till 44
- 4.3 Multiplying directed numbers
  - When multiplying two directed numbers, if the two directed numbers are of the same sign, include the positive sign in the answer and if the two directed numbers are opposite signs include the negative sign in the answer.
  - Do the exercise 4.3 by studying the page no: 45 and 46.
- 4.4 Dividing a directed number by a directed number
  - Include the positive sign in the answer, if two directed numbers are of the same sign and include the negative sign in the answer, if the two directed numbers are of opposite signs.
  - Do the exercise 4.4 by studying the page no: 46 and 47.