

NEW ERA HIGH SCHOOL, PANCHGANI
MATHEMATICS ASSIGNMENT – 1
CLASS IX

Textbook:	NCERT MATHS TEXT BOOK
Lesson :	Number Systems
Time Line :	27 April to 02 May, 2020
Objectives:	<p>The students will be able :</p> <p>(i) Identify, and define rational numbers, irrational numbers</p> <p>(ii) Deduct the nature of decimal form of rational numbers and irrational numbers</p> <p>(iii) Deduce the theorem about the nature of denominator of p/q form of a rational number to give a terminating decimal.</p> <p>(iv) Classify Real numbers into Rational and Irrationals on basis of their decimal forms.</p> <p>(v) Represent given real number on the number line.</p>
Expected Learning Outcome:	<ul style="list-style-type: none"> • Natural Numbers, Whole Numbers, Integers, Rational Numbers and Irrational Numbers • The method of plotting square root of natural and decimal numbers on the number line. • The laws of exponents
Methodology:	<p>The transaction should proceed in the following manner- Introduction of the topic- PPT and Digital Content on Diksha App Open the Diksha App click on English Medium > Click on class 9> Click on Mathematics> Click on Number Systems >Click on Explanation> Click on Explanation Videos > Watch following videos</p> <ul style="list-style-type: none"> • Classifying numbers • Intro to rational & irrational numbers • Proof: there's an irrational number between any two rational numbers • Converting repeating decimals to fractions (part 1 of 2) • Intro to rational exponents <p>After watching video Click on the Question Bank and solve very short questions, short answer questions and long answer questions based on the above topics.</p>
Assessment of qualifying knowledge	<p>Multiple Assessment Activity (MCQ):</p> <p>Click on Multiple Choice question in Numbers Systems and solve. After that write on the ruled sheet the MCQs based on the above topics and maintain a record for Multiple Assessment.</p>

Submission:	<p>Students should do the Multiple Assessment activity, scan it and send it to geetha.reddy@nehs.in on or before May 2,2020. The hard copy to be submitted when the school reopens.</p> <p>Answers based on the text can be done in a notebook to be submitted when the school reopens.</p> <p>Please note that the above activities are part of the internal assessment and are mandatory.</p>
Resources:	<p>Click on the following link to download the lesson 01 – Number System.</p> <p>http://ncert.nic.in/textbook/textbook.htm?iemh1=0-15</p> <p>NCERT text book Diksha App.</p>
Teacher:	Ms. Geetha Reddy

