

CLASS –IX

Maths

Date:-18/04/2020

CHAPTER 2 - NUMBER SYSTEMS

- Watch the online videos “NUMBER SYSTEMS -Lecture 1” from Optimum Online E-Learning Platform and try to comprehend the concepts of Representation of Irrational numbers on Real Line. After that try to solve the questions given in your assignment.
 - Representation of irrational numbers on number line Lecture no 03
 - Representation of irrational number on number line Lecture no 04
1. Complete the following sentences:
 - I. Every point on the number line corresponds to a number which may be either or
 - II. The decimal form of an irrational number is neither nor
 - III. The decimal representation of a rational number is either or
 - IV. Every real number is either number or number.
 2. Represent $\sqrt{3.5}$, $\sqrt{9.4}$, $\sqrt{10.5}$ and on the real number line.
 3. Represent $\sqrt{6}$, $\sqrt{7}$, $\sqrt{8}$ on the number line.
 4. Find whether the following statements are true or false:
 - I. Every real number is either rational or irrational.
 - II. π is an irrational number.
 - III. Irrational numbers cannot be represented by points on the number line.
 5. Visualise 2.665 on the number line, using successive magnification.
 6. Visualise the representation of $5.3\overline{7}$ on the number line up to 5 decimal places, that is up to 5.37777.

7. In the following equation, find which variables x, y, z etc. represent rational or irrational numbers:

I. $x^2=5$

II. $y^2=9$

III. $z^2=0.004$

IV. $u^2=\frac{17}{4}$

V. $v^3=3$

VI. $w^2=27$

VII. $t^2=0.4$

8. Is zero a rational number? Can you write it in the form p/q, where p and q are integers and $q \neq 0$?



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