Class: IXA
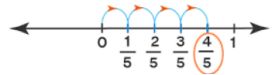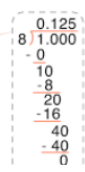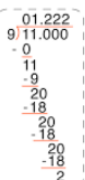**Subject: Mathematics**   **Topic: Number System**

Topic Subtopics No. Of periods	E Energizing Learner	N Navigate content	G Generating meaning	A Appling to real life	G Gauge the meaning	E Extend
	Before stating the class To start the class	Teach and review	Move to long term memory through reflection.	Demonstrate skill	Look how much you have learnt	Extended activities
Topic: Number System **Subtopics:** Rational Numbers & their Number Line Decimal System of rational numbers **Periods:** 3	**Checking Previous Knowledge:** How many of you know about rational numbers? How many are you able to find decimals by long division method? **Learning outcome:** To recall number system and rational numbers. Students will be to recognize types of decimal system of rational numbers.	**Rational No:** A number which can be write in the form of p/q (Where q is not equals to 0). Eg: 2/3, 3/5 etc. **Number Line:** Eg: **Decimal System of rational numbers:** Terminating Decimal A decimal number having an end. $\frac{1}{8} = 0.125$ Non-Terminating Decimal A decimal number without an end term. $\frac{11}{9} = 1.222...$	**Key points:** Introduction to number system. Real Numbers. Number Line. Difference between Terminating and Recurring Decimals.	**Hands-On Practice** Give some daily life examples for the following: 1.Paise to Rupees. 2.cm to meter and km.	Oral questions. Board test. Solving Ex 1.1 & 1.2	**Worksheet.** 1.Represent 2/3,3/2 and 5/7 on same number line. 2.Write the name of decimal system of following. i.1/13 ii.12/25 iii.11/7

Subject Teacher: K. Arunkumar