

# KENDRIYA VIDYALAYA IFFCO BAREILLY, REGION- LUCKNOW

पाठ्य योजना अध्यापक दैनिकी (Lesson Plan-Teachers Diary) (A) Planning Format, Annexure-1

Class/Section: - VII Subject: - MATHS

Chapter: - 8-COMPARING QUANTITIES

No. of periods: - 10

Date of Commencement: -

Expected date of completion: -

Actual date of Completion:-

Slut Of The lesson	Targeted learning outcomes (TLO)	Teaching learning activities planned for achieving the TLO using suitable resources and classroom management strategies	ASSESSMENT STRATEGIES PLANNED
Focused skills/Competencies			
INTRODUCTION: RATIO AND PROPORTION AND UNITARY METHOD	Understand the concepts Ratio and Proportion. Application of unitary method to do the problems	Recollect the concepts of Ratio and Proportion from the children discuss them by using different examples. Ratio means comparison of two quantities in the same unit to say one is "how many times" the other. The ratio of a to b is denoted by a:b or $\frac{a}{b}$ If $a:b = c:d$ then they are said to be equivalent ratios and a, b, c and d are said to be in proportion. Unitary method means 'find the value of one from many and then find the value of required many'. Show the unitary method in different situations.	H/W ( Qns from exercises )
PERCENTAGE: MEANING OF PERCENTAGE, PERCENTAGE WHEN THE TOTAL IS NOT 100, CONVERTING FRACTIONS AND DECIMALS TO PERCENTAGES AND VICE VERSA, CONVERTING PERCENTAGE TO 'HOW MANY'	Understand the concept 'Percentage'. To know how to convert fractions and decimals to fractions and how to convert percentage to fraction or decimal.' How to find the given percentage of a given quantity.	Make the children understand how to find the percentage and the conversions through different examples $\frac{35}{100} = 35\%$ , 28 mark out of 40 = $\frac{28}{40} \times 100 = 70\%$ . $\frac{8}{20} = \frac{8}{20} \times 100\% = 40\%$ . $0.25 = 0.25 \times 100\% = 25\%$ $75\% = \frac{75}{100} = \frac{3}{4} = 0.75$ $50\% \text{ of } 164 = \frac{50}{100} \times 164 = 82$ $25\% \text{ of } x = 20 \Rightarrow \frac{25}{100} \times x = 20 \Rightarrow x = \frac{20 \times 100}{25} = 80k$ Do more egs from the text book make the children getting more practice.	Oral test  Class test-1  Assignments  Dictation
RATIOS TO PERCENTS	Able to know how to separate a ratio into the original terms if the whole part is given	Show the example: Rs. 150 is to be divided in the ratio 2:3 which means 150 should be divided into 5 equal parts and from them 2 parts and 3 parts are to be separated. $1^{\text{st}} \text{ part} = \frac{2}{5} \times 150 = 60$ and the $2^{\text{nd}} \text{ part} = \frac{3}{5} \times 150 = 90$ Let the children to do more problems.	

# Grade 7 Mathematics Unit Lesson 1

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