

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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Moving Through Dimensions Clg Of William And Mary/Ctr Gift Ed,2021-09-03 Moving Through Dimensions approaches spatial reasoning through one dimensional two dimensional and three dimensional tasks designed for students in the middle school grades The unit also asks students to explore the transition between dimensions and representations of three dimensional objects in two dimensions This book includes pre and postassessments multiple reproducible materials and lessons based on NCTM standards Moving Through Dimensions was developed by the Center for Gifted Education at The College of William and Mary to offer advanced curriculum supported by years of research The Center s materials have received national recognition from the United States Department of Education and the National Association for Gifted Children and they are widely used both nationally and internationally Each of the books in this series offers curriculum that focuses on advanced content and higher level processes The science units contain simulations of real world problems and students experience the work of real science by using data handling skills analyzing information and evaluating results The mathematics units provide sophisticated ideas and concepts challenging extensions higher order thinking skills and opportunities for student exploration based on interest These materials are a must for any teacher seeking to challenge and engage learners and increase achievement Grades 6 8 Approaches to Studying the Enacted Mathematics Curriculum

Kathryn Chval,Dan Heck,Iris Weiss,Steven W. Ziebarth,2012-09-01 Curriculum materials are among the most pervasive and powerful influences on school mathematics In many mathematics classes student assignments the questions the teacher asks the ways students are grouped the forms of assessment and much more originate in curriculum materials At the same time teachers have considerable latitude in how they use their curriculum materials Two classes making use of the same materials may differ markedly in what mathematics content is emphasized and how students are engaged in learning that content This volume considers a variety of research tools for investigating the enactment of mathematics curriculum materials describing the conceptualization development and uses of seven sets of tools Mathematics education researchers curriculum developers teacher educators district supervisors teacher leaders and math coaches will find insights that can improve their work and guidance for selecting adapting and using tools for understanding the complex relationship between curriculum materials and their enactment in classroom instruction *Research in Education* ,1974 *Resources in Education* ,2001-04

Turning on Learning Carl A. Grant,Christine E. Sleeter,2008-10-28 With a wealth of ready to use lesson plans for grade levels K 12 covering a variety of subject areas Turning on Learning Fifth Edition shows students how to apply the principles of multicultural education in the classroom This practical lesson based companion to Sleeter and Grant s Making Choices for Multicultural Education Five Approaches to Race Class and Gender features additional lesson plans and new resource material along with updates of existing lesson plans **Proceedings of the Third Asian Technology Conference in**

Mathematics (ATCM'98) Wei-Chi Yang,1998-09 Proceedings of the Asian Technology Conference in Mathematics ATCM98

is a collection of works from researchers and teachers in education mathematics and mathematical sciences using computer technology The contents which have been refereed by peer reviewers cover a broad range of topics on the relevancy of technology in mathematical research and teaching These include but are not limited to 1 application of computer algebra systems in research and teaching 2 computer aided mathematics teaching 3 distance learning through the WWW 4 graphing calculators 5 mathematical research and teaching using technology 6 numerical analysis Bringing the Common Core Math Standards to Life Yvelyne Germain-McCarthy,Ivan Gill,2014-11-20 As high school math teachers shift to the Common Core State Standards the question remains What do the standards actually look like in the classroom This book answers that question by taking you inside of real Common Core classrooms across the country You ll see how exemplary teachers are meeting the new requirements and engaging students in math Through these detailed examples of effective instruction you will uncover how to bring the standards to life in your own classroom Special Features A clear explanation of the big shifts happening in the classroom as a result of the Common Core State Standards Real examples of how exemplary teachers are using engaging strategies and tasks to teach algebra geometry trigonometry statistics mathematics across the curriculum and more A detailed analysis of each example to help you understand why it is effective and how you can try it with your own students Practical ready to use tools you can take back to your classroom including unit plans and classroom handouts

Everyday Mathematics Teacher Lesson Guide Volume 1 Grade 5 University of Chicago. School Mathematics Project,2007 The Teacher s Lesson Guide provides easy to follow lessons organized by instructional unit as well as built in mathematical content support Lessons include planning and assessment tips and multilevel differentiation strategies for all learners This English Spanish Edition provides dual language support Math plus Reading, Grades 4 - 5 ,2012-09-01 Your child s summer partner in building grade 5 success Summer Link Math plus Reading offers fourth grade children skill and drill practice in key subject areas to help them get ready for fifth grade over the summer months Aligned to state and national

Becoming Literate in Mathematics and Science ,2001 **New York Review Series: Grade 8 Mathematics Review Workbook** McGraw-Hill Education,2005-11-21 New York Review Series Grade 8 Mathematics Review helps students succeed on the New York 8th grade test Students review both Post March and Pre March topics Lessons for each performance indicator include fully worked out examples and exercises that are similar to those on the test Additional problem solving lessons as well as chapter tests and practice tests are included **Quick Bibliography Series** ,1976

ENC Focus ,2001 *Everyday Mathematics Teacher Lesson Guide Volume 1 Grade 4* Edm,University of Chicago. School Mathematics Project,2008 The Teacher s Lesson Guide provides easy to follow lessons organized by instructional unit as well as built in mathematical content support Lessons include planning and assessment tips and multilevel differentiation strategies for all learners This English Spanish Edition provides dual language support **Catalog of Copyright Entries. Third Series** Library of Congress. Copyright Office,1965 **Math Trailblazers, K-5** ,2002 *From STEM to STEAM*

David A. Sousa, Tom Pilecki, 2018-01-31 Weave arts activities to STEM instruction and STEAM ahead to academic success Arts activities enhance the skills critical for achieving STEM success but how do busy STEM educators integrate the arts into sometimes inflexible STEM curriculum This new edition of From STEM to STEAM explores emerging research to detail the way It includes Classroom tested strategies including sample K 12 lessons plans and planning templates Tools for building a professional development program designed to help arts and STEM teachers collaborate to create STEAM lessons Sample planning frameworks for transitioning schools from STEM to STEAM The main objective of both art and science is discovery Lead your students to make that connection and STEAM ahead to academic success **Everyday Math** Max Bell, 2004 Contains easy to follow three part daily lesson plans This assists teachers in focusing on lesson objectives providing ongoing practice for all students and addressing individual student needs for a variety of populations A unit organizer provides learning goals planning and assessment support content highlights a materials chart suggestions for problem solving cross curricular links and options for individualizing Each guide is grade level specific **Eureka Math Grade 4 Study Guide** Great Minds, 2015-11-09 Eureka Math is a comprehensive content rich PreK 12 curriculum that follows the focus and coherence of the Common Core State Standards in Mathematics CCSSM and carefully sequences the mathematical progressions into expertly crafted instructional modules The companion Study Guides to Eureka Math gather the key components of the curriculum for each grade into a single location unpacking the standards in detail so that both users and non users of Eureka Math can benefit equally from the content presented Each of the Eureka Math Curriculum Study Guides includes narratives that provide educators with an overview of what students should be learning throughout the year information on alignment to the instructional shifts and the standards design of curricular components approaches to differentiated instruction and descriptions of mathematical models The Study Guides can serve as either a self study professional development resource or as the basis for a deep group study of the standards for a particular grade For teachers who are new to the classroom or the standards the Study Guides introduce them not only to Eureka Math but also to the content of the grade level in a way they will find manageable and useful Teachers familiar with the Eureka Math curriculum will also find this resource valuable as it allows for a meaningful study of the grade level content in a way that highlights the coherence between modules and topics The Study Guides allow teachers to obtain a firm grasp on what it is that students should master during the year The Eureka Math Curriculum Study Guide Grade 4 provides an overview of all of the Grade 4 modules including Place Value Rounding and Algorithms for Addition and Subtraction Unit Conversions and Problem Solving with Metric Measurement Multi Digit Multiplication and Division Angle Measure and Plane Figures Fraction Equivalence Ordering and Operations Decimal Fractions and Exploring Measurement with Multiplication **El-Hi Textbooks & Serials in Print, 2000**, 2000

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