

Guided Math Lesson

Introduction – Whole Class

Have students find half the area of the array cards in front of them (work in pairs)
 Share strategies and ways of splitting the arrays
 Show 6x9 array and find the area of half it together

Objectives & Standards

- Find fractional parts of a rectangular area
- Finding fractional parts of a group (of objects, people, etc)
- Comparing the same fractional parts of different sized wholes

Vocabulary

Independent Work

- Student Page 14
- Test Questions
- Coordinate Grid

Small Groups

•(high)

•low

Materials:

Math books, Bags of items, and Pencils

Look at page 12 together – problem 1

•Have students make the whole, then find $\frac{1}{2}$ and $\frac{1}{4}$ of it.

•Write an multiplication equations that show what $\frac{1}{2}$ and $\frac{1}{4}$ of 28 is

•Ask, “What fraction is left to make a whole?”

•Complete problem 2 together, following the same procedure.

•Have students do problems 3 -5 on their own.

Closure – Whole Class

Discuss where to place fractions along a number line – 1, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{6}$, $\frac{1}{8}$ and $\frac{1}{5}$
 Why?

Assessment/Reflection

Homework

3rd Grade Area Math Lesson Plans

**Babette Moeller, Barbara
Dubitsky, Marvin Cohen, Karen
Marschke-Tobier, Hal Melnick, Linda
Metnetsky**

3rd Grade Area Math Lesson Plans:

The Mathematics Lesson-Planning Handbook, Grades 3-5 Ruth Harbin Miles, Beth McCord Kobett, Lois A. Williams, 2018-07-13 This book brings together the best of Visible Learning and the teaching of mathematics The chapters on learning intentions success criteria misconceptions formative evaluation and knowing thy impact are stunning Rich in exemplars grounded in research about practice and with the right balance about the surface and deep learning in math it s a great go to book for all who teach mathematics John Hattie Laureate Professor Deputy Dean of MGSE Director of the Melbourne Education Research Institute Melbourne Graduate School of Education YOU are the architect in the mathematics classroom When it comes to mathematics lessons do you sometimes feel overly beholden to the required texts from which you teach Do you wish you could break the mold but feel like you get conflicting guidance on the right things to do How often do you find yourself in the last minute online scramble for a great task activity that will capture your students interest and align to your state standards In *The Mathematics Lesson Planning Handbook Grades 3 5 Your Blueprint for Building Cohesive Lessons* you ll learn the streamlined decision making processes that will help you plan the focused research based standards aligned lessons your students need This daily reference offers practical guidance for when and how to pull together mathematics routines resources and effective teaching techniques into a coherent and manageable set of lesson plans This resource will Lead teachers through a process of lesson planning based on various learning objectives Set the stage for lesson planning using relatable vignettes Offer sample lesson plans for Grades 3 5 Create opportunities to reflect on each component of a mathematics lesson Suggest next steps for building a unit from the lessons Provide teachers the space and tools to create their own lesson plans going forward Based on years of classroom experience from seasoned mathematics educators this book brings together the just in time resources and practical advice you need to make lesson planning simple practical and doable From laying a solid foundation to choosing the right materials you ll feel confident structuring lessons that lead to high student achievement

[Level Up Your Lesson Plans](#) Teresa K. Kwant, 2025-04-28 *Level Up Your Lesson Plans Ignite the Joy of Learning with Fun and Educational Materials* Tired of spending hours on lesson plans Discover strategies to streamline your planning process and maximize student engagement Access exclusive templates tools and resources designed to help you create effective lessons that align with learning standards Save time reduce stress and elevate your teaching game In *Level Up Your Lesson Plans Ignite the Joy of Learning with Fun and Educational Materials* teacher Teresa Kwant delivers an exciting and practical instruction book for teachers interested in adding fun into their lesson plans without sacrificing educational strategies The book walks you through how to transform your teaching materials and lessons into interactive collaborative and enjoyable learning experiences for both the teacher and students Kwant draws on personal and professional experiences to give actionable steps you can implement immediately You ll also find Tips for aligning your lessons with standards to make them both fun and engaging Strategies for building your own instructional

plans for daily success with student learning Techniques to develop your own lessons plans efficiently and with high engagement Perfect for new and veteran classroom teachers looking for student engagement tips Level Up Your Lesson Plans is a hands on playbook for planning smarter so you teach better This book is the hands on creative teaching playbook the education community has been waiting for **Teaching Young Children Mathematics** Janice Minetola, Robert Ziegenfuss, J. Kent Chrisman, 2013-09-11 Teaching Young Children Mathematics provides a comprehensive overview of mathematics instruction in the early childhood classroom Taking into account family differences language barriers and the presence of special needs students in many classrooms throughout the U S this textbook situates best practices for mathematics instruction within the larger frameworks of federal and state standards as well as contemporary understandings of child development Key topics covered include developmental information of conceptual understanding in mathematics from birth through 3rd grade use of national and state standards in math including the new Common Core State Standards information for adapting ideas to meet special needs and English Language Learners literacy connections in each chapter real world connections to the content and information for family connections to the content , Resources in Education ,1999 Handbook of Research on Active Learning and the Flipped Classroom Model in the Digital Age Keengwe, Jared, 2015-11-12 The notion of a flipped classroom draws on such concepts as active learning student engagement hybrid course design and course podcasting The value of a flipped class is in the repurposing of class time into a workshop where students can inquire about lecture content test their skills in applying knowledge and interact with one another in hands on activities The Handbook of Research on Active Learning and the Flipped Classroom Model in the Digital Age highlights current research on the latest trends in education with an emphasis on the technologies being used to meet learning objectives Focusing on teaching strategies learner engagement student interaction and digital tools for learning this handbook of research is an essential resource for current and future educators instructional designers IT specialists school administrators and researchers in the field of education *Leadership and Personnel Management: Concepts, Methodologies, Tools, and Applications* Management Association, Information Resources, 2016-02-17 Strong leaders are essential to the structure of organizations across all industries Having the knowledge skill sets and tools available to successfully motivate manage and guide others can mean the difference between organizational success and failure Leadership and Personnel Management Concepts Methodologies Tools and Applications presents the latest research on topics related to effective managerial practice as well as the tools and concepts that attribute to effective leadership Focusing on a variety of topics including human resources diversity organizational behavior management competencies employee relations motivation and team building this multi volume publication is ideal for academic and government library inclusion and meets the research needs of business professionals academics graduate students and researchers **Monthly Catalog of United States Government Publications** ,1989 Content Area Literacy for Diverse Learners Virginia

McCormack,2008 contains useful information and concepts that teachers can apply in the classroom and other instructional settings There is also a detailed resource section listing children s literature and websites that can enhance your instructional practice This helpful and comprehensive resource can be used by preservice teachers by experienced teachers and administrators for development of staff at all levels and by individuals in Alternate Route Teacher Certification programs Page 4 of cover **Monthly Catalogue, United States Public Documents** ,1989 *Everyday Content-Area Writing* Kathleen Kopp,2010 *Everyday Content Area Writing* shows intermediate grade teachers how to integrate writing into daily instruction and use it as an authentic engaging tool that will develop deeper content area understanding Kathleen Kopp s fun and creative write to learn strategies span the gamut of math science and social studies to show you how to make writing a time saving valuable part of your instructional day *Everyday Content Area Writing* includes strategies to build background foster review follow up and practice through individual and group activities and teach content area vocabulary note taking tactics organizational methods and ways to save time while bringing meaning to learning explanations and guidelines for formative assessments that guide instruction and summative post unit assessments that evaluate student learning original ideas for incorporating technology inside and outside the classroom publishing student work and differentiating instruction and tips for establishing a supportive writing environment Suggested writing resources ready to go templates unit assessment plans sample projects and prompts round out this resource **Teach Math Like This, Not Like That** Matthew L. Beyranevand,2017-05-24 Teaching mathematics is one of the most difficult and important jobs that anyone can do Mathematics is a critical part of education and an essential building block for problem solving skills that are needed in the real world However many students struggle to learn and understand mathematical concepts and educators need to do everything possible to help our students learn This book focuses on four areas necessary to be an impactful teacher of mathematics Planning Pedagogy Assessment and Relationships For each of the ideas presented in the book a brief introduction will be shared and then two different perspectives will be detailed with examples The first is Not like This which is often the traditional way of teaching mathematics or the less effective approach The second perspective is Teach Like This which is my recommended approach based upon research and my own experience as a teacher math coordinator and graduate instructor of math education *Academic Language/Literacy Strategies for Adolescents* Debra L. Cook Hirai,Irene Borrego,Emilio Garza,Carl T. Kloock,2013-02-01 Fast paced practical and innovative this text for pre service and in service teachers features clear easily accessible lessons and professional development activities to improve the delivery of academic language literacy education across the content areas in junior middle school and high school classrooms Numerous hands on tools and techniques demonstrate the effectiveness of content area instruction for students in a wide variety of school settings particularly English language learners struggling readers and other special populations of students Based on a strong professional development model the authors have been instrumental in designing Academic Language Literacy

Strategies for Adolescents addresses motivation attributes of academic language vocabulary theory and practice reading skills development grammar and writing A wealth of charts graphs and lesson plans give clear examples of academic language literacy strategies in action The appendices a key component of the practical applications developed in the text include a glossary exemplary lessons that address key content areas and a Grammar Handbook In this era of increased accountability coupled with rapid demographic change and challenges to traditional curricula and pedagogical methods educators will find this book to be a great resource

The Mathematics Lesson-Planning Handbook, Grades 6-8 Lois A. Williams, Beth McCord Kobett, Ruth Harbin Miles, 2018-12-28 Your blueprint to planning Grades 6-8 math lessons that lead to achievement for all learners When it comes to planning mathematics lessons do you sometimes feel burdened Have you ever scrambled for an activity to engage your students that aligns with your state standards Do you ever look at a recommended mathematics lesson plan and think This will never work for my students The Mathematics Lesson Planning Handbook Your Blueprint for Building Cohesive Lessons Grades 6-8 walks you step by step through the process of planning focused research based mathematics lessons that enhance the coherence rigor and purpose of state standards and address the unique learning needs of your individual students This resource deepens the daily lesson planning process for middle school teachers and offers practical guidance for merging routines resources and effective teaching techniques into an individualized and manageable set of lesson plans The effective planning process helps you Identify learning intentions and connect goals to success criteria Select resources and worthwhile tasks that make the best use of instructional materials Structure lessons differently for traditional and block middle school schedules Anticipate student misconceptions and evaluate understanding using a variety of formative assessment techniques Facilitate questioning encourage productive struggle and close lessons with reflection techniques This author team of seasoned mathematics educators make lesson planning practical and doable with a useful lesson planning template and real life examples from Grades 6-8 classrooms Chapter by chapter the decision making strategies empower teachers to plan mathematics lessons strategically to teach with intention and confidence and to build purposeful rigorous coherent lessons that lead to mathematics achievement for all learners

Math for All Participant Book (3-5) Babette Moeller, Barbara Dubitsky, Marvin Cohen, Karen Marschke-Tobier, Hal Melnick, Linda Metnitsky, 2011-08-22 A mathematics professional development program for inclusive classrooms This professional development program shows general and special education teachers how to collaborate to provide a high quality standards based mathematics education to all students including those with disabilities This book includes the handouts and reproducibles for the program The corresponding kit includes a facilitator's guide and a companion DVD The Math for All learning experiences help teachers Assess students strengths and needs Use multiple instructional strategies to teach specific math concepts Tailor lessons based on individual students strengths and needs to help them achieve high quality learning outcomes in mathematics

Quick Bibliography Series ,1976 Science and Mathematics in Early-childhood

Education Donna M. Wolfinger,1994 **Teaching in the Standards-based Classroom** ,2001 Virtually every national standards document every state framework and every local set of standards calls for fundamental changes in what and how teachers teach The challenge for teachers is to implement the vision for mathematics and science classrooms called for in the standards This issue describes that vision and suggests ways to use the standards mandated in your school to improve your practice to help you teach in your standards based classroom How to Teach Students Who Don't Look Like You Bonnie M. Davis,2012-07-18 Engage diverse learners in your classroom with culturally responsive instruction How to Teach Students Who Don t Look like You helps educators recognize the impact that culture has on the learning process The term diverse learners encompasses a variety of student groups including homeless children migrant children English language learners children experiencing gender identity issues children with learning disabilities and children with special needs This revised second edition reflects the latest trends in education and includes new coverage of standards based culturally responsive lesson planning and instruction differentiated instruction RTI and the Common Core State Standards Bonnie M Davis helps all educators Tailor instruction to their own unique student population Reflect on their own cultures and how this shapes their views of the world Cultivate a deeper understanding of race and racism in the U S Create culturally responsive instruction Understand culture and how it affects learning How to Teach Students Who Don t Look like You provides crucial strategies to assist educators in addressing the needs of diverse learners and closing the achievement gap This book fires up educators by speaking from the soul to reach the heart from the research to engage the mind and from the skillful hand to build the necessary expertise Peggy Dickerson Professional Service Provider Region XIII Texas Education Service Center Austin TX The vignettes and classroom situations help the reader understand how race plays out in our society and in our classrooms Dr Davis takes on a very volatile topic and is able to engage the reader without offending The examples vignettes cases and stories will hook the readers just as they did me Once I began reading the book I could not put it down Ava Maria Whittemore Minority Achievement Coordinator Frederick County Public Schools MD **Strategies for Implementing Guided Math** Laney Sammons,2012-07-01 This resource provides specific strategies for implementing the seven elements of the Guided Math Framework In addition this professional resource includes digital resources sample lessons activities and classroom snapshots of strategy implementation at three grade level spans K 2 3 5 and 6 8

Whispering the Techniques of Language: An Psychological Journey through **3rd Grade Area Math Lesson Plans**

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