

Mental Math Strategies/Warm-ups/ Half Size (Addition) with Manipulatives

- Written with the 2nd grade in mind but also would be great review for 1st grade. (Standard: 2.NBT.6)
- 60 half-sized warm-ups
- Mental math warm-ups are designed to help model mental math for students. Teacher should model the process for / with students.
- At first, students should be allowed to use pencil, paper, and the graphics on the warm-ups to complete the addition problems.
- After consistent practice, students should be able to move toward completing calculations in their heads.
- The first 40 warm-ups include the visual manipulatives (bars and ones).
- The last 10 warm-ups do not include the manipulatives but the guided questions are still there. This should help with the transition to mental math.

Extension:

Have students add context to each problem.

Warm-Ups for Mental Math Practice Common Core Aligned (addition)

~Arithmetic Crazy~

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Math Mental Strategies Warm Ups

Laney Sammons

A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the author's name.

Math Mental Strategies Warm Ups:

Targeting Mental Maths Garda Turner,2004 **Targeting Mental Maths** Gloria Harris,2004 **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 *Primary Maths Teacher Resource Book 4* Greg Weeks,2011-11-04 Active Maths Teacher Resource 4 contains the teaching framework It describes a range of classroom activities and practice provides additional worksheets and is cross referenced to the student activity pages the Quality Teaching Framework and relevant cards in the Maths in a Box series *Targeting Maths for Victoria* Judy Tertini,2006 The Targeting Maths for Victoria scheme is VELs compliant It has been written for CSF II and provides complete coverage of the course with student books that are clear fun and easy to use The teaching guides Prep 6 include the following features Outcomes and indicators clearly stated Key vocabulary and material requirements Detailed guidance on introducing and teaching the mathematical concepts and skills Two photocopiable activity cards for each unit The Activity Bank supplies a range of differentiated activities for consolidation practice and extension Easy to manage assessment with an assessment work sheet for each unit Back cover *NSW Targeting Maths* Garda Turner,2002

Targeting Maths for Victoria Robyn Hurley,2006 **NSW Targeting Maths. Year 4** Robyn Hurley,2002 **Targeting Maths for Victoria** Garda Turner,2006 *Intentional Talk and Listening* Elham Kazemi,Allison Hintz,2025-12-09 Math teachers know the first step to meaningful mathematics discussions is to ask students to share how they solved a problem and make their thinking visible however knowing where to go next can be a daunting task In *Intentional Talk and Listening* How to Structure and Lead Productive Mathematical Discussions Elham Kazemi and Allison Hintz provide teachers with a practical framework for planning and facilitating purposeful math talks that move group discussions to the next level while achieving mathematical and social goals Each chapter focuses on a different type of conversation including Open Strategy Sharing Compare and Connect Why Let s Justify What s Strategic and Why Define and Clarify Troubleshoot and Revise In this second edition of the book Kazemi and Hintz provide new vignettes and classroom examples They explore the role of children s and communities funds of knowledge in mathematics problem solving and focus on supporting students active participation as listeners and speakers Written from the stance that all students are sense makers with valuable ideas *Intentional Talk and Listening* supports teachers decision making as they facilitate conversations that help students make meaning of and find joy in math **Targeting Maths** Judy Tertini,Katy Pike,2004 *Patterns in Arithmetic* Alysia Krafel,Suki Glenn,Susan Carpenter,2007 **Intentional Talk** Elham Kazemi,Allison Hintz,2023-10-10 Math teachers know the first step to meaningful mathematics discussions is to ask students to share how they solved a problem and make their thinking visible however knowing where to go next can be a daunting task In *Intentional Talk* How to Structure and Lead Productive

Mathematical Discussions authors Elham Kazemi and Allison Hintz provide teachers with a framework for planning and facilitating purposeful math talks that move group discussions to the next level while achieving a mathematical goal Through detailed vignettes from both primary and upper elementary classrooms the authors provide a window into how teachers lead discussions and make important pedagogical decisions along the way By creating equitable opportunities to share ideas teachers can orient students to one another while enforcing that all students are sense makers and their ideas are valued They examine students roles as both listeners and talkers offering numerous strategies for improving student participation Intentional Talk includes a collection of lesson planning templates in the appendix to help teachers apply the right structure to discussions in their own classrooms

Key Stage 3 Mathematics Annie Gammon, 2002 An essential file to support teachers and heads of department by bringing together all the recent developments and issues of concern in Key Stage 3 mathematics In fact it s a complete guide to successful planning teaching and assessment work as a team to develop a clear departmental vision translate that vision into planning specific examples of good practice guided INSET activities for the whole team help with differentiation classroom organisation and transition for Year 7 children

Number Sense Routines Jessica Shumway, 2023-10-10 In this groundbreaking and highly practical book Number Sense Routines Building Numerical Literacy Every Day in Grades K 3 author Jessica Shumway proposes that all children have innate number sense which can be developed through daily exercise Shumway created a series of math routines designed to help young students strengthen and build their facility with numbers These quick 5 10 or 15 minute exercises are easy to implement as an add on to any elementary math curriculum Understanding Number Sense Students with strong number sense understand numbers how to subitize relationships among numbers and number systems They make reasonable estimates compute fluently use reasoning strategies and use visual models to solve problems Number Sense Routines supports the early learner by instilling the importance of daily warm ups and explains how they benefit developing math minds for long term learning Real Classroom Examples Shumway compiled her classroom observations from around the country She includes conversations among students who practice number sense routines to illustrate them in action how children s number sense develops with daily use and math strategies students learn as they develop their numerical literacy through self paced practice Assessment Strategies Number Sense Routines demonstrates the importance of listening to your students and knowing what to look for Teachers will gain a deeper understanding of the underlying math skills and strategies students learn as they develop numerical literacy Shumway writes As you read you will step into various classrooms and listen in on students conversations which I hope will give you insight into the power of number sense routines and the impact they have on students number sense development My hope is that going into the classroom into students conversations and into their thought processes you will come away with new ideas and tools to use in your own classroom

Primary Mathematics: Teaching Theory and Practice Claire Mooney, Mary Briggs, Alice Hansen, Judith McCullouch, Mike Fletcher, 2014-06-10 The essential teaching

theory and practice text for primary mathematics Covering the skills of planning monitoring and assessment and class management it relates these specifically to primary mathematics With full coverage of the theory and practice required for effective and creative mathematics teaching this text is an essential guide for all trainees working towards QTS Throughout practical guidance and features support trainees to translate this learning to the classroom embed ICT in their lessons and to understand the wider context of their teaching This 7th edition has been updated in line with the new National Curriculum

Primary Maths Teacher Resource Book 3 Greg Weeks,2011-11-17 This resource book will help teachers with providing activities practice and worksheets for students *Styles and Strategies for Teaching High School Mathematics* Edward J. Thomas,John R. Brunsting,Pam L. Warrick,2010-08-10 This book offers effective research based strategies that can be mixed and matched to differentiate mathematics instruction for high school students through four different learning styles Learn From the Experts Sign up for a Math Professional Development Institute in your area visit www.ThoughtfulClassroom.com events

The Homeschooler's Guide to Essential Learning Strategies Bright Burrow LLC,2025-02-10 The Homeschooler s Guide to Essential Learning Strategies is a practical roadmap for parents navigating the rewarding journey of homeschooling Written by a veteran school psychologist turned homeschool mother this book offers unique insights that bridge professional expertise with real world homeschooling experience It presents eight key strategies to help your child thrive from nurturing thoughtful action and emotional intelligence to mastering time management and organization Each chapter provides easy to implement techniques tailored for the home learning environment packed with real life examples helpful tips and customizable resources Whether you re new to homeschooling or a seasoned veteran this guide empowers you to create a dynamic effective homeschool experience and foster a lifelong love of learning in your child **Targeting Maths** Katy Pike,Judy Tertini,Garda Turner,2004

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