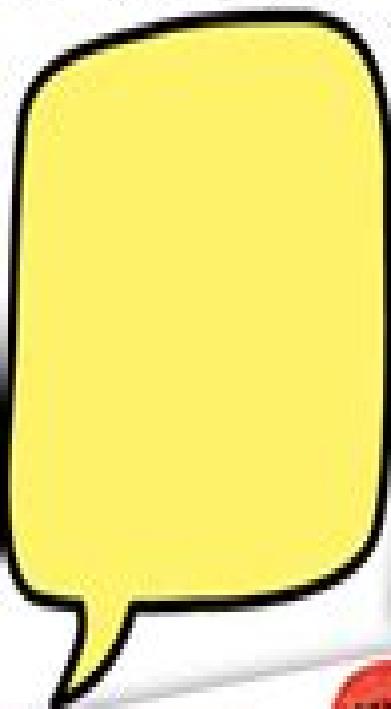


NUMBER TALKS

grades pre-K to 5th



What's the volume of the punch?

$\frac{3}{4}$ Volume of red bowl

$\frac{1}{4}$ Volume of red cup

$\frac{3}{4}$ + $\frac{1}{4}$ = $\frac{4}{4}$

Punch is $\frac{3}{4}$ of the bowl + $\frac{1}{4}$ of the cup



An illustration of a window with a broken pane. A yellow speech bubble above the window contains the text "¡que se quedó sin vidrio!" (The glass broke!).



Number Talks Number Talks

JG Myers

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Number Talks Sherry Parrish,2010 A multimedia professional learning resource Cover **Making Number Talks Matter** Cathy Humphreys,Ruth E. Parker,2015 *Making Number Talks Matter* is about the myriad decisions facing teachers as they make this fifteen minute daily routine a vibrant and vital part of their mathematics instruction Throughout the book Cathy Humphreys and Ruth Parker offer practical ideas for using Number Talks to help students learn to reason numerically and build a solid foundation for the study of mathematics This book will be an invaluable resource whether you are already using Number Talks or not whether you are an elementary middle school high school or college teacher or even if you are a parent wanting to support your child with mathematics Using insight gained from many years of doing Number Talks with students of all ages Cathy and Ruth address questions to ask during Number Talks teacher moves that turn the thinking over to students the mathematics behind the various strategies and ways to overcome bumps in the road If you ve been looking for ways to transform your mathematics classroom to bring sense making and divergent thinking to the foreground to bring the Standards for Mathematical Practice to life and to bring joy back into your instruction this book is for you **Making Number Talks Matter** Cathy Humphreys,Ruth Parker,2023-10-10 Making the transition to student centered learning begins with finding ways to get students to share their thinking something that can be particularly challenging for math class Authors Ruth Parker and Cathy Humphreys introduce *Making Number Talks Matter* Developing Mathematical Practices and Deepening Understanding Grades 3 10 taking the readers into classrooms where their Number Talks routines are taught Parker and Humphreys apply their 15 minute lessons to inspire and initiate math talks Through vignettes in the book you ll meet other teachers learning how to listen closely to students and how to prompt them into figuring out solutions to problems You will learn how to make on the spot decisions continually advancing and deepening the conversation *Making Number Talks Matter* includes Sample Problems Filled with a range of Number Talks problems 10 15 minute warm up routines that lend themselves to mental math and comparison of strategies Navigating Rough Spots Learn how to create a safe environment for tricky or challenging student discussions that can arise when talking through problems and sharing ideas Responding to Mistakes Ways to handle misconceptions and mathematical errors that come up during the course of Number Talk conversations *Making Number Talks Matter* is filled with teaching tips for honoring student contributions while still correcting errors and teaching concepts while nudging independent thinking Whether you are an elementary middle school or high school teacher through daily practice and open conversation you can build a solid foundation for the study of mathematics and Make Number Talks Matter **Number Talks in the Primary Classroom** Math Perspectives Teacher Development Center,2020 *Classroom-Ready Number Talks for Kindergarten, First and Second Grade Teachers* Nancy Hughes,2019-02-26 A wide variety of ready to use number talks that help kindergarten through second grade students learn math concepts in fun and easy ways Bringing the exciting teaching method of number talks into your classroom has never

been easier Simply choose from the hundreds of great ideas in this book and get going From activities on addition and subtraction to fractions and decimals Classroom Ready Number Talks for Kindergarten First and Second Grade Teachers includes Grade level specific strategies Number talk how tos Visual and numerical examples Scaffolding suggestions Common core alignments Questions to build understanding Reduce time spent lesson planning and preparing materials and enjoy more time engaging your students in learning important math concepts These ready to use number talks are sure to foster a fresh and exciting learning environment in your classroom as well as help your students increase their comprehension of numbers and mathematical principles *Number Talks* Sherry Parrish,2010-01-01 This resource supports new and experienced educators who want to prepare for and design purposeful number talks for their students the author demonstrates how to develop grade level specific strategies for addition subtraction multiplication and division Includes connections to national standards a DVD reproducibles bibliography and index Provided by publisher **Number Talks** Sherry Parrish,2022-03-03 Number Talks n m b r toks A five to fifteen minute classroom conversation around purposefully crafted problems that are solved mentally The best part of a teacher s day Number Talks is a dynamic multimedia resource created in response to the requests of teachers those who want to implement number talks but are unsure of how to begin and those with experience who want more guidance in crafting purposeful problems It supports teachers in understanding what a classroom number talk is how to follow students thinking and pose the right questions to build understanding how to prepare for and design purposeful number talks how to develop grade level specific strategies for the operations of addition subtraction multiplication and division A Framework for Collaborative Learning While Number Talks may be used as an independent resource it is also structured to provide a framework for collaborative learning groups or to provide professional development opportunities through grade level teams individual schools or districts Chapter 9 was designed to serve as a facilitator s resource Streaming Video and Reproducibles Included Number Talks also includes streaming video clips that provide a visual platform for teachers to reflect on their current practices and target essential understandings from their readings The video clips feature number talks filmed in actual elementary classrooms plus seven bonus videos highlighting interviews with the author and teachers Clips range from five to ten minutes in length with a total viewing time of approximately two hours The resource includes reference tables to help you quickly and easily locate the video clips by chapter and grade level More than 250 pages of user friendly reproducible dot images and ten frames from Chapter 4 are also included for free with this resource **Number Talks for Number Sense** Jackie Palmquist,Deb Kimminal,2018-10

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