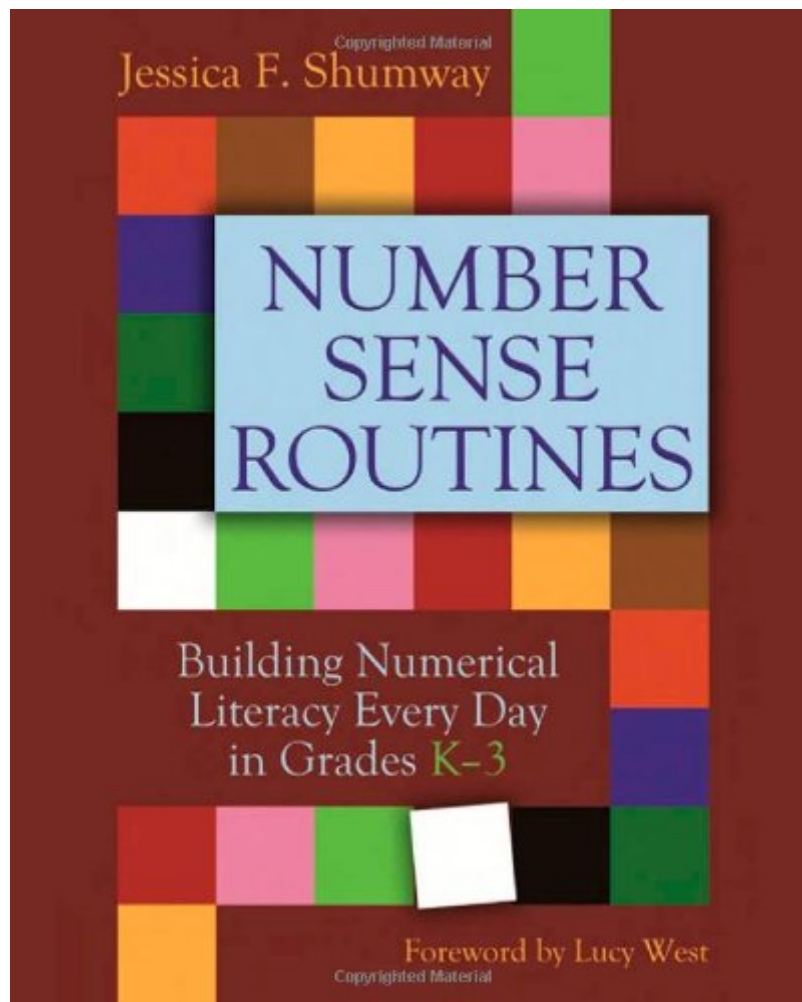


Number Sense Routines: Building Numerical Literacy Every Day in Grades K-3 PDF



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Number Sense Routines: Building Numerical Literacy Every Day in Grades K-3 by Jessica F. Shumway ISBN 1571107908

Just as athletes stretch their muscles before every game and musicians play scales to keep their technique in tune, mathematical thinkers and problem solvers can benefit from daily warm-up exercises. Jessica Shumway has developed a series of routines designed to help young students internalize and deepen their facility with numbers. The daily use of these quick five-, ten-, or fifteen-minute experiences at the beginning of math class will help build students' number sense.

Students with strong number sense understand numbers, ways to represent numbers, relationships among numbers, and number systems. They make reasonable estimates, compute fluently, use reasoning strategies (e.g., relate operations, such as addition and subtraction, to each

other), and use visual models based on their number sense to solve problems. Students who never develop strong number sense will struggle with nearly all mathematical strands, from measurement and geometry to data and equations.

In *Number Sense Routines*, Jessica shows that number sense can be taught to all students. Dozens of classroom examples -- including conversations among students engaging in number sense routines -- illustrate how the routines work, how children's number sense develops, and how to implement responsive routines.

Additionally, teachers will gain a deeper understanding of the underlying math -- the big ideas, skills, and strategies children learn as they develop numerical literacy.

Number Sense Routines: Building Numerical Literacy Every Day in Grades K-3 Review

This Number Sense Routines: Building Numerical Literacy Every Day in Grades K-3 book is not really ordinary book, you have it then the world is in your hands. The benefit you get by reading this book is actually information inside this reserve incredible fresh, you will get information which is getting deeper an individual read a lot of information you will get. This kind of Number Sense Routines: Building Numerical Literacy Every Day in Grades K-3 without we recognize teach the one who looking at it become critical in imagining and analyzing. Don't be worry Number Sense Routines: Building Numerical Literacy Every Day in Grades K-3 can bring any time you are and not make your tote space or bookshelves' grow to be full because you can have it inside your lovely laptop even cell phone. This Number Sense Routines: Building Numerical Literacy Every Day in Grades K-3 having great arrangement in word and layout, so you will not really feel uninterested in reading.