

Look for more LeapFrog Learning Videos, as well as products based on the videos!



**U.S./Canada Consumer Service Contact:** Please visit our U.S. Consumer Support Web site at: <http://www.leapfrog.com/support>, or our Canada Consumer Support Web site at: <http://lfcanada.custhelp.com>, 24 hours a day. You can search for frequently asked questions, or submit a question to our support staff via e-mail.



LEAPFROG, the LeapFrog logo, MATH CIRCUS, QUIDGITS, TALKING WORDS FACTORY and LETTER FACTORY are trademarks or registered trademarks of LeapFrog Enterprises, Inc. © 2004 LeapFrog Enterprises, Inc. All rights reserved. Part # 605-10225-B



Distributed by Warner Home Video Inc., 4000 Warner Blvd., Burbank, CA 91522



WELCOME TO THE

# MATH CIRCUS

VIDEO

**Parent Guide**  
[www.leapfrog.com](http://www.leapfrog.com)

This guide contains important information. Please keep it for future reference.

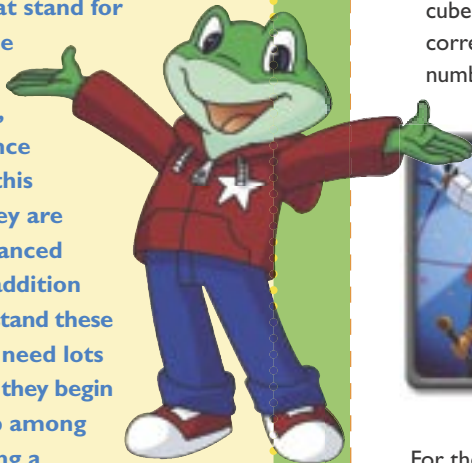


# MATH CIRCUS™

VIDEO

## Getting Ready for Math!

Many processes are involved in getting ready for math. Before children can learn to add and subtract, they need to learn number names and number order. They need to learn that numbers are symbols that stand for amounts: 5 may mean the number of cherries in a bowl, fingers on a hand, or pennies in a nickel. Once children have mastered this foundational concept, they are then ready for more advanced numeracy skills such as addition or subtraction. To understand these concepts, young learners need lots of varied experiences. As they begin to notice the relationship among numbers, they are building a foundation for mathematical thinking.



## Welcome to the Math Circus!

Professor Quigley is teaching Leap, Lily and Tad the numbers 0–10 and their values with the help of a set of cubes called Quidgits™. Each number aligns itself with the correct number of Quidgits, helping children learn number/object association. Now, off to the big top!



In center ring, the Quidgits prepare for an astounding act! Using the trapeze, the Quidgits must perform basic addition and subtraction problems that appear on the overhead Jumble-tron.

For the grand finale, the Quidgits are fired out of cannons in stacks of 10. Can the audience count to 100 by 10s in this fantastic 10-cannon finale?



By the end of the show, even grumpy Mr. Websley is convinced that these are, indeed, smart numbers—and he decides to publish *The Smart Math Circus Book*.

# Fun ways to get the most from the Math Circus™ video



**First, watch the video with your child.** Adapt the viewing to your child's attention span by either watching the entire video at once or by watching segments separately.



**Next, pause between each segment to review the math concept being taught.** Use number cards, and nuts or raisins to count out sets that match each numeral, then practice adding and subtracting.



**Ask your child to sing along with the professor and Tad** as they review numbers with "The Numbers to Objects Song," "The 10-High Counting Song," "The Addition Song" and "The Subtracting Song."



**Finally, play the video again and again.** Repetition is the key to mastery of basic math concepts. Reenact the Quidgets' circus routines, using building blocks with numbers 1–10 or 1–20.



## Try this at home!

### Counting

Combine counting with nature by collecting treasures, such as leaves, rocks, or shells. Make a group of 3 of one object, 5 of another, and 10 of another. Ask your child to count the items in each group, and write the numeral that stands for each amount. Vary the amounts in each group. You may also wish to add items by cutting pictures of similar objects from old nature magazines.

### Addition

Count out 10 small items and separate them into two groups. Then, write a number sentence that records the number of items in each group and the sum of the two groups, for example:  $5 + 5 = 10$ . Ask your child to repeat the process, and challenge him or her to find all 9 number sentences. Repeat the process for subtraction, using 20 items.

### Skip Counting by 10s

Use pennies and dimes to represent sets of 10, then help your child skip count to 100 by 10s. Ask your child to put the pennies in stacks of 10. When each stack is done, place a dime in front of it. For each completed pile, count 10, 20, 30, 40...all the way to 100.

# MATH CIRCUS™

VIDEO

**Teaches counting, addition, subtraction—and more!**

Creative Thinking	Problem Solving	Number Sense
Identify matching groups of objects	★	★
Count up to 10 objects	★	★
Understand and use mathematical terms	★	★
Understand the concept of zero	★	★
Differentiate parts from whole objects	★	★
Understand total of combined groups	★	★
Use numbers to indicate quantity	★	★
Recognize numerals	★	★
Relate numeral and number word	★	★
Use ordinal numbers	★	★
Skip count by tens to 100	★	★
Recognize add and subtract symbols and understand their functions	★	★
Create sets of tens and ones using models	★	★
Understand simple measurement language	★	★
Solve addition problems to 10	★	★
Solve subtraction problems to 10	★	★
Model problems with number sentences	★	★
Understand events, actions, characters and dialogue	★	★
Understand sequence of events	★	★
Exercise imaginative thinking	★	★
Develop creative ways to solve problems	★	★



Dear Parent,

We at LeapFrog know that you are your child's most important teacher. Our goal is to help you build an environment for your child that is rich in experiences—one that encourages discovery and fosters learning success.

As children grow, they are ready for more complex challenges. For preschoolers, we have a line of products that develop basic fundamentals to help prepare children to enter the classroom. Cheerful characters and delightful songs enhance the play experience while teaching the alphabet, phonics, vocabulary and word building.

LeapFrog™ learning products are designed to grow alongside your child through each stage of development. All are made with the same playful spirit that promotes a lifelong love of learning. For additional information on how to make learning fun and effective, visit our web site ([www.leapfrog.com](http://www.leapfrog.com)), where you'll find tips from parents and educators. We hope you'll join us there.

Sincerely,

Tom Kalinske  
CEO  
LeapFrog Enterprises, Inc.