THE DAILY SPECIAL

MATH MATTERS

How to conquer your math phobia

Numeracy is a basic skill you can improve like any other, and games make it fun to do it

BY ARVIND GUPTA

o your palms start to sweat when your child comes to you with math homework? Does your mind turn blank or fuzzy when you look at all those strange symbols? Did you select your career in part due to how little math would be required?

If you answered yes to any of these questions, there's a good chance that you are among the 20 per cent of people who are prone to math anxiety. Math anxiety prevents many people regardless of intellectual ability - from developing and using the skills they need for numerical confidence in school and in life. But it doesn't have to. If you can shift your focus off your anxiety and onto the math itself, you can replace your anxiety with confidence.

The reality is that basic mathematical ability is not a special talent. It is a skill like any other that can be improved over time. And practice can be fun! If textbooks and worksheets give you a nervous stomach, set them aside for a while. Instead, try some of the many engaging and entertaining alternatives that are now available online, in daily newspapers or in your local toys and games store.

If you have trouble with a particular area of math, review the basics by using an online program such as Math.com, Coolmath.com, or Mathplay ground.com. Sites like these offer lessons, games, puzzles and information that you and your children may enjoy. For more diverse explanations, try searching YouTube for your topic, for example "triangle proofs," "linear equations," "How to solve a Rubik's cube," or "Sudoku tips."

problem-solving skills is through is a great way for all ages to strengthen arithmetic operations. visual perception and the ability to find



JASON SCOTT/CNS

My favourite painless way to build If your palms sweat when your kids come to you for help with math homework, you are among the 20 per cent of people who are prone to math anxiety.

games and puzzles. The card game Set and Kenken incorporates all four basic level. For all manner of interesting your thinking, so that even if the final ty-based math researchers with com-

have to fit the numbers one through flow between the areas of your brain confidence it's

and beat adults, even mathematicians. used to play) might not look like math Mathematics, or The Colossal Book of way to the solution. Any activity that exercises logic will at first glance, but they sharpen your Short Puzzles and Problems. Phillip

By the time you reach the next probimprove your ability to do math. Su- cognitive abilities while you play. Reg- Heafford's Great Book of Math Puzzles lem, you might have all the mental doku, played by tens of millions, is simular and repeated problem-solving is a good title for kids aged nine to 12. muscle you need to get it right, and ply a form of a logic puzzle where you strengthens the neural pathways that To increase your problem-solving even enjoy the attempt.

problems, pick up a copy of one of Mar- answer is incorrect, you can feel owner- panies and other organizations to Electronic games such as tin Gardner's collections of math puz-ship of the process and proud that you solve real-world challenges. For more patterns. Students in Grade 1 can play Minesweeper (or Lemmings, a game I zles, for example The Colossal Book of came up with a method that got part- information on MITACS, visit www.mitacs.ca.

> Next week: Math for toddlers. We know we are supposed to talk, sing, and read with our children to support their