

## ★ TO THE STUDENT ★

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***Maths the Write Way, Level 2***, was written by Brian E. Enright,  
Robert Gyles, Maxine Leonescu and Fred I. Remer

**HAWKER BROWNLOW**  
E D U C A T I O N

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## ★ TO THE STUDENT ★

You usually follow a set of rules to solve maths problems. You may remember the rules easily. Do you know why the rules were made in the first place? *How* you solve problems is what this book is about. You won't just find answers. You will think about what you did to find the answers. You will also find out why rules are important.

There are many hints to help you solve the problems in this book. You should talk about your ideas with classmates and with your teacher. You should think about *how* you solve a problem, not just about the final solution.

Writing, speaking, explaining or drawing while learning about math can help you better understand what you are learning. When you share ideas with others, you tell what you already know and you find out about different ways of thinking. All of these things will help you understand math better.

We hope you enjoy this book and learn about maths the 'write' way.

Brian E. Enright  
Robert Gyles  
Maxine Leonescu  
Fred I. Remer

## ★ INVESTIGATION 1 ★

José's teacher wrote the digits 6, 8 and 2 on the board. She asked José to use all three digits to write the largest number that he could.

**Step 1:** Look at the three digits. Then look at José's answer.

**Step 2:** Tell why you think José's answer is right or wrong. If you have a different answer, show it in the boxes below. Then share your answer with your group.

José's Answer

682

**Hint:** Think about place value.

**Solution:**

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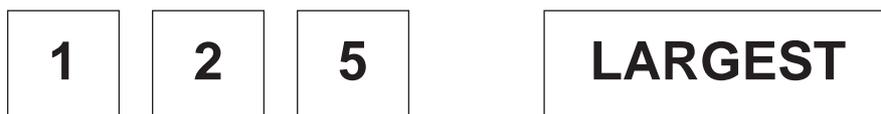
My Number

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## ★ EXTENSION ★

Play a game with your partner. Put the number cards in a stack with the numbers facing up. Put the size cards in a stack with the words facing down. Take 3 cards from the number stack and one card from the word stack. Make a 3-digit number with the number cards. Try to make the largest number, the smallest number or a number between the largest and smallest number. Do what your word card says.

Example: Imagine these are your cards. Your answer is 521.



If an answer is correct, the sum of your digits is your score. The score for the example is  $5 + 2 + 1 = 8$ . Write your numbers and score in the Solution. Return the number cards to the stack and shuffle the stack. Take turns and play until the size cards are all used. The highest score wins.

**Hint:** Don't forget about place value.

**Solution:**

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### Assessment 1

What is the value of the 7 in 738? Circle the answer.

7                  70                  700                  738

### Assessment 2

The dots show the shots on a target board. What is the score? Explain how you got your answer.

**Solution:**

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