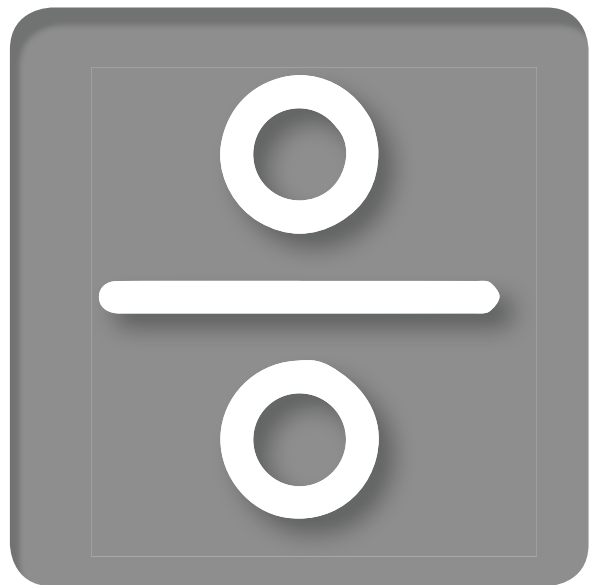
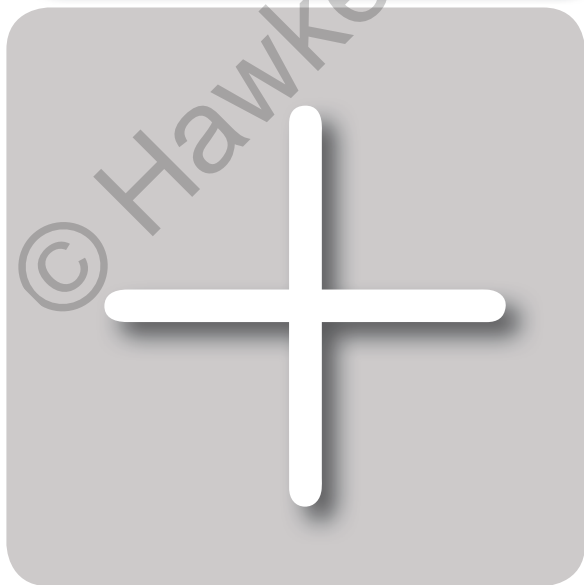
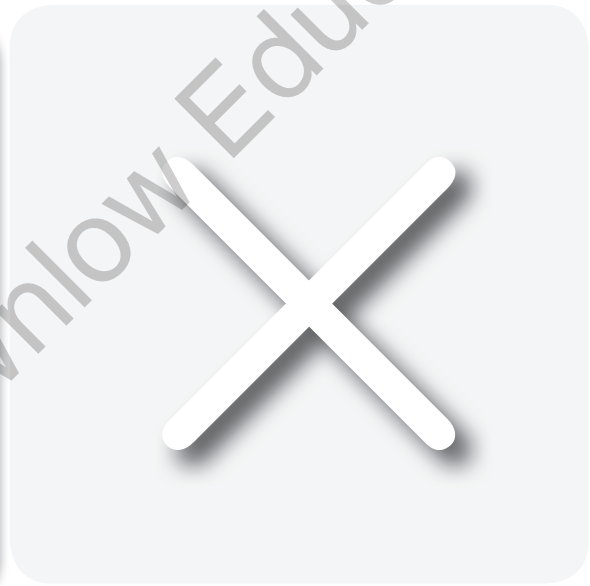
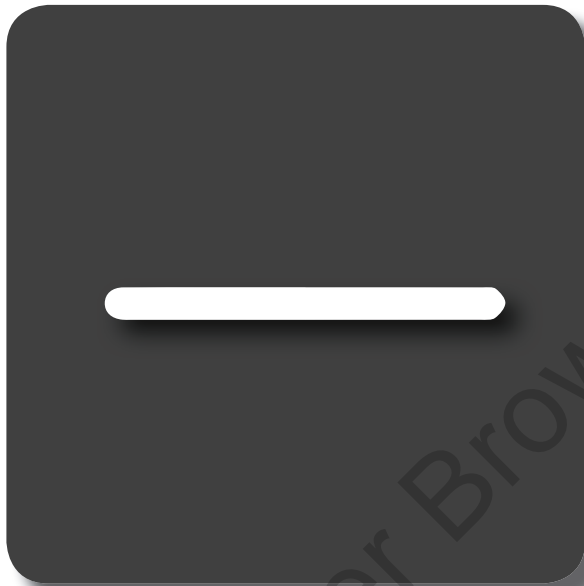


YEAR

6

# AfterMaths

## Workbook



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Dear Student,

Welcome to *AfterMaths*<sup>™</sup>, a program that allows you to explore mathematics. Inside this book are 36 activities. In these activities, you will play maths games, conduct experiments, solve problems and perform "maths magic".

*AfterMaths* is designed to allow you to work alone, with a partner or in a small group. You will try a variety of activities. By doing these activities, you will develop your maths skills and look at maths in new ways. You also will find that maths is part of your everyday life.

Some activities use skills that you already know. Other activities add to known skills. Still other activities provide challenges. The goal is always to have fun and to learn at the same time.

A famous man named Galileo once said that mathematics is the alphabet in which the universe was created. So, enjoy the activities and begin learning that "alphabet".

You may want to have materials such as the following on hand: pencils and erasers, scrap paper, a calculator and a ruler.

This *AfterMaths* book was prepared for students by Christopher Forest.

Designed by Jamie Ruh.

# LET'S GO A FEW ROUNDS

1. Round each of the numbers in the first column to: the thousands place (Column A), the ten-thousands place (Column B) and the hundred-thousands place (Column C).

	NUMBER	A	B	C
		ROUNDED TO THE THOUSANDS PLACE	ROUNDED TO THE TEN-THOUSANDS PLACE	ROUNDED TO THE HUNDRED-THOUSANDS PLACE
1.	189217			
2.	246709			
3.	314289			
4.	75216			
5.	905213			
6.	678217			
7.	8124214			
8.	956212			
9.	600956			
10.	189717			

## Taking a Closer Look

1. Circle the largest number in each row (1–10) in the chart above.
2. Tell the number of times that each column (A, B or C) has the largest number.  
 Column A (the thousands place) \_\_\_\_\_  
 Column B (the ten-thousands place) \_\_\_\_\_  
 Column C (the hundred-thousands place) \_\_\_\_\_
3. The number 956212 rounded to the hundred-thousands place is equal to the sum of five of the rounded numbers in Column C. What are the five numbers?

\_\_\_\_\_

\_\_\_\_\_

4. Round 678217 to the ten-thousands place. \_\_\_\_\_

Now write three other numbers that equal that same number when rounded to the ten-thousands place. \_\_\_\_\_

# SPEAKING OF NUMBERS

There are many different ways to express numbers. Read the different ways in which eight students describe some numbers. Write the number that you think each student is describing.

**1. Charlie**

"a dozen and a half"

\_\_\_\_\_

**2. Linh**

"forty-eight less than two hundred and twelve"

\_\_\_\_\_

**3. Lara**

"thirteen hundred and sixty-one and four tenths"

\_\_\_\_\_

**4. David**

"nine hundred and forty-five thousandths"

\_\_\_\_\_

**5. Elizabeth**

"five thousands plus two hundreds plus three tens plus two ones"

\_\_\_\_\_

**6. Ryan**

"seven hundred and twenty-two thousand, four hundred and eighty-five"

\_\_\_\_\_

**7. Kaleb**

"ninety-five point three seven two"

\_\_\_\_\_

**8. James**

"one tenth of six hundred and fifty"

\_\_\_\_\_