Dear Parents,

Helping kids understand and apply mathematics knowledge and skills is a collective responsibility of parents, teachers, and principals.

Students need to learn mathematics in a way that will serve them throughout their lives. Understanding mathematics can provide our students with many job and career opportunities.

This is why students need to know why mathematics works the way it does, how to use it with confidence and competence when solving problems.

Understanding mathematics enables us to:

- Solve problems, make sound decisions and perform calculations with ease
- Explain how we solved a problem and why we made a particular decision
- Understand patterns and trends so that we can make predictions
- Understand Financial Literacy to manage time and money
- Handle everyday situations that involve numbers and feel confident

Before your child can learn mathematics, he or she needs to believe in his or her ability to do so. That's where you come in!

Parents, you are your child's first role model for learning. When you engage with your child in a supportive, relaxed atmosphere, your child will enjoy exploring the world of mathematics.

Dynamic Math is committed to helping parents and students. We understand that not everyone learns the same way, and not everyone feels the same about math. This is why we are continually working to create math resources that help students of all abilities, while supporting the many learning styles and varying levels of enthusiasm towards math.

From our clear concise instructions and straightforward guided examples to our additional practice material and tests, there's something to suit everyone. Combined with our video tutorials, students will be able to get a tutor-like experience from anywhere and at a fraction of the cost of standard tutoring or after-school help programs.

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INTRODUCTION

In Grade 3 mathematics, students build on what they have already learned and they are introduced to several new concepts.

Number Concepts

In this chapter, students will work with skip counting (moving forward and backward), as related to multiplication, place value, and counting patterns. They also work with comparing and estimating numbers up to 1000. This content area also includes fraction concepts.

Number Operations

This section includes addition and subtraction, addition facts to 20, and multiplication and division. The focus is on understanding the concepts and the relationships between these operations.

Working with Money

This unit includes counting mixed combinations of coins and bills, totalling up a set of coins and bills, earning and payment, and financial planning.

Patterns and Equations

This topic includes increasing and decreasing patterns and pattern rules. Unknowns and Equations includes working with one-step addition and subtraction equations.

Measurement

This chapter deals with linear measures, including standard units. Perimeter, area, and circumference include an understanding of these concepts. Mass and capacity are introduced. This chapter also includes the concept of time, units of time, and estimating time.

2-D Shapes and 3-D Objects

Students work with the identification of spheres, cubes, prisms, cones, and cylinders together with some of their attributes, such as faces, edges and vertices.

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Data and Likelihood

This unit includes one-to-one correspondence and likelihood of events happening. Work in these areas includes collecting data and using graphs, charts, and tables.

Organization of Content

Each content area begins with a description of the concept, followed by examples with clear, step-by-step solutions. Students are then given exercises with questions that range from easy to difficult.

Each unit includes a set of extra practice questions on the concepts from the unit. A test ends each unit. Answers to all exercises and unit tests are provided in the answer key.

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