



# THE FLORIDA BENCHMARKS FOR EXCELLENT STUDENT THINKING (B.E.S.T.) STANDARDS

## *Parent Guide for Third Grade Mathematics*

The B.E.S.T. Standards for Mathematics are mathematics standards for Florida students that are a high-quality foundation to which our assessments and instructional materials will be aligned. The B.E.S.T. Standards were created by Florida educational leaders and Mathematics teachers reflecting the feedback of parents, stakeholders and classroom teachers. The benchmarks for the standards are mastery goals that students are expected to attain by the end of the school year.

### **Florida B.E.S.T. Strands: Third Grade**

Number Sense and Operations  
Fractions  
Algebraic Reasoning  
Measurement  
Geometric Reasoning  
Data Analysis and Probability

### **Instructional time will focus on:**

- ✓ **Adding and subtracting multi-digit whole numbers**
- ✓ **Building an understanding of multiplication and division**
- ✓ **Developing an understanding of fractions**
- ✓ **Extending geometric reasoning to lines and quadrilaterals**

### **Third Grade Standards at a Glance**

- Place value of four-digit numbers
- Compare numbers up to 10,000
- Add and subtract multi-digit numbers
- Multiply numbers with products 0-144 and explore related division facts
- Perimeter and area
- Order and compare fractions
- Identify equivalent fractions
- Solve problems involving: length, mass, weight, temperature, and liquid volume
- Time to the nearest minute
- Elapsed time
- Classify quadrilaterals
- Identify relationships between lines
- Time to the nearest 5 minutes

### **Mathematical Thinking and Reasoning (MTR) Standards**

Florida students are expected to engage with math through the MTR Standards daily to promote deeper learning and understanding.

1. Actively participate
2. Represent problems in multiple ways
3. Complete tasks with fluency
4. Engage in discussions
5. Use patterns to connect concepts
6. Assess reasonableness of solutions
7. Apply math to the real world



## Mathematical Activities to Support Learning at Home

- ✓ **Place Value Dice:** Roll 3 dice, create a 3-digit number and write it down. Repeat these steps. Add, subtract, or even compare the two numbers you made!
- ✓ **Board Games:** Games can develop more complex ways of reasoning. Great options are Checkers, Clue, Dominos, Chess and Mancala.
- ✓ **Word Problem Creator:** Create and solve two step word problems based on real life situations. (For example: Johnny drove 238 miles to an amusement park. Sarah drove 52 miles more than Johnny. Andrea drove 87 miles less than Sarah. How many miles did Andrea drive to the amusement park?)
- ✓ **Number Stories:** Write multiplication or division equations that match drawings or pictures found in magazines or newspapers.
- ✓ **Measure your Home:** Determine the area and perimeter of windows in the home. Illustrate and label findings to determine if any windows have the same perimeter and different areas or the same area and different Perimeters.

## Third Grade Mathematics Picture Books

**Spaghetti and Meatballs for All** by Marilyn Burns (Multiplication)

**Each Orange Has 8 Slices** by Paul Giganti (Multiplication)

**Sam's Sneaker Squares** by Nay Gabriel (Area)

**A Remainder of One** by Elinor Pinczes (Division)

**Earth Day Hooray!** by Stuart Murphy (Place Value)

**One Hundred Hungry Ants** by Elinor Pinczes (Algebra)

**Chickens on the Move** by Pam Pollack (Perimeter)

## Academic Mathematics Vocabulary

**Automaticity:** the ability to act according to an automatic response or pattern which is easily retrieved from long term memory

**Exploration:** instruction focuses on helping the student develop understanding through the use of manipulatives, visual models, discussions, estimation, and drawings

**Procedural Fluency:** instruction focuses on helping the student become fluent, efficient and accurate with a procedure

**Procedural Reliability:** instruction focuses on helping the student choose a method they can use reliably

