

# PRIMARY – MATHEMATICS

## MATHTINIK PRIMARY

Mathtinik Primary explores the various aspects of place value, estimation and mathematical operations. Engaging situations, colors, and visually stimulating graphics and music are used to help primary grade pupils understand basic Math concepts and apply them in their daily lives.

**Medium: Filipino**

**Grade Level: 1 to 3**

**Learning Competency: Comprehension of Whole Numbers**

## PATTERNS AROUND US

This episode discusses how commonly seen patterns can help us recognize number patterns that make Math easier to learn.

Jun 5 (Mon)	9:00am – 9:20am
	1:40pm – 2:00pm
Jun 8 (Thu)	9:00am – 9:20am
	1:40pm – 2:00pm
Jun 12 (Mon)	9:00am – 9:20am
	1:40pm – 2:00pm
Jun 15 (Thu)	9:00am – 9:20am
	1:40pm – 2:00pm
Oct 18 (Wed)	9:00am – 9:20am
	1:40pm – 2:00pm

**Grade Level: 2 and 3**

**Learning Competency: Comprehension of Whole Numbers**

**NUMERATION**

This episode further discusses number patterns and how they make counting easier. This episode also differentiates Hindu-Arabic numerals from Roman and Chinese numerals.

Jun 6 (Tue)	9:00am – 9:20am 1:40pm – 2:00pm
Jun 9 (Fri)	9:00am – 9:20am 1:40pm – 2:00pm
Jun 13 (Tue)	9:00am – 9:20am 1:40pm – 2:00pm
Jun 16 (Fri)	9:00am – 9:20am 1:40pm – 2:00pm
Jun 19 (Mon)	9:00am – 9:20am 1:40pm – 2:00pm
Jun 22 (Thu)	9:00am – 9:20am 1:40pm – 2:00pm
Oct 24 (Tue)	9:00am – 9:20am 1:40pm – 2:00pm

**Grade Level: 3**

**Learning Competency: Comprehension of Whole Numbers**

**ESTIMATION**

This episode explains the concept of estimation and how it can help in figuring out problems in various activities such as preparing food and buying vegetables.

Jun 7 (Wed)	9:00am – 9:20am
	1:40pm – 2:00pm
Jun 14 (Wed)	9:00am – 9:20am
	1:40pm – 2:00pm
Jun 20 (Tue)	9:00am – 9:20am
	1:40pm – 2:00pm
Jun 23 (Fri)	9:00am – 9:20am
	1:40pm – 2:00pm
Jun 26 (Mon)	9:00am – 9:20am
	1:40pm – 2:00pm
Jun 29 (Thu)	9:00am – 9:20am
	1:40pm – 2:00pm
Oct 26 (Thu)	9:00am – 9:20am
	1:40pm – 2:00pm

**Grade Level: 1 to 3**

**Learning Competency: Comprehension of Whole Numbers**

**PLACE VALUE**

This episode highlights the concept of place value and its applications to everyday situations.

Jun 21 (Wed) 9:00am – 9:20am

1:40pm – 2:00pm

Jun 27 (Tue) 9:00am – 9:20am

1:40pm – 2:00pm

Jun 30 (Fri) 9:00am – 9:20am

1:40pm – 2:00pm

Jul 3 (Mon) 9:00am – 9:20am

1:40pm – 2:00pm

Jul 6 (Thu) 9:00am – 9:20am

1:40pm – 2:00pm

Oct 30 (Mon) 9:00am – 9:20am

1:40pm – 2:00pm

### **Grade Level: 3**

### **Learning Competency: Comprehension of Whole Numbers**

#### **ROUNDING OFF**

This episode teaches how to round-off numbers to the nearest tens, hundreds, or thousands.

Jun 28 (Wed) 9:00am – 9:20am

1:40pm – 2:00pm

Jul 4 (Tue) 9:00am – 9:20am

	1:40pm –2:00pm
Jul 7 (Fri)	9:00am – 9:20am
	1:40pm –2:00pm
Jul 10 (Mon)	9:00am – 9:20am
	1:40pm –2:00pm
Jul 13 (Thu)	9:00am – 9:20am
	1:40pm –2:00pm
Nov 2 (Thu)	9:00am – 9:20am
	1:40pm –2:00pm

**Grade Level: 1 and 2**

**Learning Competency: Whole Numbers – Addition**

**BASIC ADDITION**

This episode introduces the concept of addition. An abacus and bilanggay boxes are used to illustrate.

Jul 5 (Wed)	9:00am – 9:20am
	1:40pm –2:00pm
Jul 11 (Tue)	9:00am – 9:20am
	1:40pm –2:00pm
Jul 14 (Fri)	9:00am – 9:20am
	1:40pm –2:00pm
Jul17 (Mon)	9:00am – 9:20am
	1:40pm –2:00pm
Jul 20 (Thu)	9:00am – 9:20am
	1:40pm –2:00pm

Oct 31 (Mon) 9:00am – 9:20am  
1:40pm – 2:00pm

**Grade Level: 2**

**Learning Competency: Whole Numbers – Addition**

**ADDING STRING OF ADDENDS**

This episode suggests a faster way to add by using number pairs of 10.

Jul 12 (Wed) 9:00am – 9:20am  
1:40pm – 2:00pm

Jul 18 (Tue) 9:00am – 9:20am  
1:40pm – 2:00pm

Jul 21 (Fri) 9:00am – 9:20am  
1:40pm – 2:00pm

Jul 24 (Mon) 9:00am – 9:20am  
1:40pm – 2:00pm

Jul 27 (Thu) 9:00am – 9:20am  
1:40pm – 2:00pm

Nov 3 (Fri) 9:00am – 9:20am  
1:40pm – 2:00pm

**Grade Level: 2 and 3**

**Learning Competency: Whole Numbers – Addition**

## **ADDING LARGE NUMBERS**

This episode shows the relationship between addends and the sum. It also explains how to use estimation in addition by rounding-off the number to the nearest tens or hundreds.

Jul 19 (Wed)	9:00am – 9:20am 1:40pm – 2:00pm
Jul 25 (Tue)	9:00am – 9:20am 1:40pm – 2:00pm
Jul 28 (Fri)	9:00am – 9:20am 1:40pm – 2:00pm
Jul 31 (Mon)	9:00am – 9:20am 1:40pm – 2:00pm
Aug 3 (Thu)	9:00am – 9:20am 1:40pm – 2:00pm
Nov 1 (Wed)	9:00am – 9:20am 1:40pm – 2:00pm

**Grade Level: 1, 2 and 3**

**Learning Competency: Whole Numbers – Subtraction**

## **SUBTRACTION WITHOUT REGROUPING**

This episode demonstrates how to subtract without regrouping, and applies the knowledge of such in day-to-day situations.

Jul 26 (Wed)	9:00am – 9:20am
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	1:40pm –2:00pm
Aug 1 (Tue)	9:00am – 9:20am
	1:40pm –2:00pm
Aug 4 (Fri)	9:00am – 9:20am
	1:40pm –2:00pm
Aug 7 (Mon)	9:00am – 9:20am
	1:40pm –2:00pm
Aug 10 (Thu)	9:00am – 9:20am
	1:40pm –2:00pm

**Grade Level: 1 to 3**

**Learning Competency: Whole Numbers – Subtraction**

**SUBTRACTION WITH REGROUPING**

This episode shows how to expand numbers when subtracting.

Aug 2 (Wed)	9:00am – 9:20am
	1:40pm –2:00pm
Aug 8 (Tue)	9:00am – 9:20am
	1:40pm –2:00pm
Aug 11 (Fri)	9:00am – 9:20am
	1:40pm –2:00pm
Aug 14 (Mon)	9:00am – 9:20am
	1:40pm –2:00pm
Aug 17 (Thu)	9:00am – 9:20am
	1:40pm –2:00pm



**Grade Level: 2 and 3**

**Learning Competency: Whole Numbers – Subtraction**

**SUBTRACTION WITH CHECKING**

This episode defines place value, and how to subtract with large numbers. It also explains how and why it is important to check the final answer using addition.

Aug 9 (Wed)	9:00am – 9:20am 1:40pm –2:00pm
Aug 15 (Tue)	9:00am – 9:20am 1:40pm -2:00pm
Aug 18 (Fri)	9:00am – 9:20am 1:40pm–2:00pm
Aug 21 (Mon)	9:00am – 9:20am 1:40pm–2:00pm
Aug 24 (Thu)	9:00am – 9:20am 1:40pm -2:00pm

**Grade Level: 1 to 3**

**Learning Competency: Whole Numbers – Addition and Subtraction, Problem Solving Skills**

**SOLVING SIMPLE PROBLEMS**

This episode explains how to solve word problems using the basic mathematical operations of addition and subtraction.

Aug16 (Wed)	9:00am – 9:20am 1:40pm –2:00pm
Aug 22 (Tue)	9:00am – 9:20am 1:40pm–2:00pm
Aug 25 (Fri)	9:00am – 9:20am 1:40pm–2:00pm
Aug 28 (Mon)	9:00am – 9:20am 1:40pm–2:00pm
Aug 31 (Thu)	9:00am – 9:20am 1:40pm–2:00pm

**Grade Level: 2 to 4**

**Learning Competency: Problem Solving Skills**

### **PROBLEM SOLVING WITH DIFFICULTY**

This episode teaches how to solve difficult math problems with ease using the problem-solving chart.

Aug 23 (Wed)	9:00am – 9:20am 1:40pm –2:00pm
Aug 29 (Tue)	9:00am – 9:20am 1:40pm –2:00pm
Sep 1 (Fri)	9:00am – 9:20am

	1:40pm –2:00pm
Sep 4 (Mon)	9:00am – 9:20am
	1:40pm –2:00pm
Sep 7 (Thu)	9:00am – 9:20am
	1:40pm –2:00pm

**Grade Level: 2**

**Learning Competency: Whole Numbers – Multiplication**

**INTRODUCTION TO MULTIPLICATION**

This episode defines multiplication as adding up of numbers repeatedly. It illustrates that even if the order of factors is changed, the product remains the same. It also shows how to use the multiplication table and explains the product when multiplying with 0 and 1 as factors.

Aug 30 (Wed)	9:00am – 9:20am
	1:40pm –2:00pm
Sep 5 (Tue)	9:00am – 9:20am
	1:40pm –2:00pm
Sep 8 (Fri)	9:00am – 9:20am
	1:40pm –2:00pm
Sep 11 (Mon)	9:00am – 9:20am
	1:40pm –2:00pm
Sep 14 (Thu)	9:00am – 9:20am
	1:40pm –2:00pm

**Grade Level: 2**

**Learning Competency: Whole Numbers – Multiplication**

**MULTIPLICATION PROPERTIES & TECHNIQUES**

This episode explains two multiplication properties—any number multiplied by 0 is equal to 0, and any number multiplied by 1 is equal to the number itself. It also demonstrates multiplication by 6, 7 and 8.

Sep 6 (Wed)	9:00am – 9:20am 1:40pm – 2:00pm
Sep 12 (Tue)	9:00am – 9:20am 1:40pm – 2:00pm
Sep 15 (Fri)	9:00am – 9:20am 1:40pm – 2:00pm
Sep 18 (Mon)	9:00am – 9:20am 1:40pm – 2:00pm
Sep 21 (Thu)	9:00am – 9:20am 1:40pm – 2:00pm

**Grade Level: 2**

**Learning Competency: Whole Numbers – Multiplication**

**MULTIPLYING A 2-DIGIT NUMBER BY A 1-DIGIT NUMBER**

This episode explains how to multiply a 2-digit number with a 1-digit number.

Sep 13 (Wed) 9:00am – 9:20am  
1:40pm –2:00pm

Sep 19 (Tue) 9:00am – 9:20am  
1:40pm –2:00pm

Sep 22 (Fri) 9:00am – 9:20am  
1:40pm –2:00pm

Sep 25 (Mon) 9:00am – 9:20am  
1:40pm –2:00pm

Sep 28 (Thu) 9:00am – 9:20am  
1:40pm –2:00pm

**Grade Level: 3**

**Learning Competency: Whole Numbers – Multiplication**

**MULTIPLYING A 2-DIGIT NUMBER BY A 2-DIGIT NUMBER**

This episode explains how to multiply a 2-digit number with another 2-digit number.

Sep 20 (Wed) 9:00am – 9:20am  
1:40pm –2:00pm

Sep 26 (Tue) 9:00am – 9:20am  
1:40pm –2:00pm

Sep 29 (Fri) 9:00am – 9:20am  
1:40pm –2:00pm

Oct 2 (Mon) 9:00am – 9:20am  
1:40pm –2:00pm

Oct 5 (Thu) 9:00am – 9:20am  
1:40pm – 2:00pm

**Grade Level: 2**

**Learning Competency: Whole Numbers – Division**

### **INTRODUCTION TO DIVISION**

This episode explains division as subtracting numbers repeatedly.

Sep 27 (Wed) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 3 (Tue) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 6 (Fri) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 9 (Mon) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 12 (Thu) 9:00am – 9:20am  
1:40pm – 2:00pm

**Grade Level: 2**

**Learning Competency: Whole Numbers – Division**

### **DIVISION WITHOUT REMAINDER**

This episode illustrates how to divide 2-digit numbers by a 1-digit number without remainder.

Oct 4 (Wed) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 10 (Tue) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 13 (Fri) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 16 (Mon) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 19 (Thu) 9:00am – 9:20am  
1:40pm – 2:00pm

**Grade Level: 3**

**Learning Competency: Whole Numbers – Division**

**DIVISION WITH REMAINDER**

This episode defines what a remainder is, and explains the process of deriving it from an equation.

Oct 11 (Wed) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 17 (Tue) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 20 (Fri) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 23 (Mon) 9:00am – 9:20am  
1:40pm – 2:00pm

Oct 26 (Thu) 9:00am – 9:20am

1:40pm – 2:00pm