



## Mastering Numeration 3

**Mastering Numeration 3** builds upon the basic number concepts developed in grade 1 and 2. The skills taught in **Mastering Numeration 3** include: adding and subtracting two-digit numbers with regrouping, multiplication, division and working with simple fractions. Helpful audio instructions and help buttons ensure that students will navigate these activities easily and with confidence. Students will be motivated to succeed by a series of colorful pictures and sounds as their rewards.

### Targeted Skills

- Two and three digit Addition and Subtraction facts and regrouping.
- Multiplication to  $7 \times 7$ , Division to  $49/7$ .
- Add and subtract money up to \$10.00.
- Numbers to 1000 by reordering out of sequence numbers, recognizing patterns, number lines, skip counting & place value.
- Comparing fractions, equivalent fractions and comparing fractions with decimals.
- Compare numbers to 1000 using greater than, less than or equal to signs.

### Marks Manager

The Marks Manager tracks student progress throughout each program and records the percentage score for every activity completed. This feature provides an overview of how well a student is progressing and allows the teacher to identify strengths and weaknesses.

- Records students' results automatically as they work.
- Prints reports quickly and easily for sharing with parents and staff.
- Provides summary reports by subject or detailed reports by activity.
- Allows teachers to print reports for individual students or an entire class.
- Stores student marks in one central location for all programs.

# Mastering Numeration 3

## Program Outline

The program is broken down into 8 main units, which can all be accessed from the main menu. On the following pages, each of these different units are broken down. The main menu units are:

1. Working with Numbers
2. Comparing
3. Addition
4. Subtraction
5. Multiplication
6. Division
7. Money
8. Fractions

# Mastering Numeration 3

## 1 - Working with Numbers

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
Where is the Number	Click on the number you hear on the number line.	Locate whole numbers to 100 on a number line.
Find the Number		
Where is the Number Now		
Number Lines by 2's Number Lines by 5's Number Lines by 10's		
Number Patterns	Type the number that is missing in each sequence of numbers.	Complete basic patterns.
Count by 1's to 1000	Type the missing numbers.	Count by 1's to 1000.
Find the Picture	Color the number squares in order to make a pattern or picture.	Count by 1's to 1000.
Skip Count Forwards by 2, 5, 10, 25 & 100 Skip Count Backwards by 2, 5, 10, 25, 100	Type the missing numbers.	Count by 2's, 5's, 10's, 25's and 100's to 1000. Count backwards by 2's, 5's, 10's, 25's, and 100's from 1000.
Find the Place Value Building Blocks Type the Number Building Numbers	Look at the number given and break it down by place value into 10's and 1's.	Represent two digit numbers in terms of place value - tens and ones.
Number Match Type the Numeral Copy the Number Word Type the Number Word	Type the number word for each numeral.	Read and print number words 1 to 100.

# Mastering Numeration 3

## 2 - Comparing

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
<b>Compare</b>	Look at the number given and then click on the tens and ones boxes to make the number.	Represent two digit numbers in terms of place value - tens and ones for numbers 1 to 1000.
<b>Biggest Number</b>	Click on the biggest number.	Compare numbers and identify which number has the greatest or smallest value for numbers 1 to 1000.
<b>Smallest Number</b>	Click on the smallest number.	
<b>Pick the Middle Number</b>	Click on the middle number.	
<b>Find the in Between Number</b>	Pick the number that belongs in between the other two.	
<b>From Smallest to Biggest</b>	Type the numbers in order from smallest to largest.	Count up by 1's. Reorder out of sequence numbers into their proper numerical sequence for numbers 1 to 1000.
<b>Choose the Correct Sign</b>	Compare the numbers and click on the correct sign.	Understand greater than, less than, and equal signs and apply them to pairs of numbers 1 to 1000.
<b>Hungry Alligator</b>		
<b>Bigger, Smaller or Same As</b>		

# Mastering Numeration 3

3 - Addition Facts

4 - Subtraction Facts

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
<b>Add / Sub Facts</b> (9 activities - # 2-9 Facts)	Type the correct answer for various addition and subtraction problems.	Addition: 2 digits to 1 digit.
<b>Add / Sub Facts</b> (10 activities - # 10-19 Facts)		Addition: 3 digits to 1 digit
<b>Two Digit Add / Sub Number Line</b> (3 activities)		Addition: 2 digits to 2 digits.
<b>Two Digit Add / Sub</b> (3 activities)		Addition: 3 digits to 2 digits
<b>Three Digit Add / Sub Add 1, 2, 3 Digit Number</b> (3 activities)		Addition: 3 digits to 3 digits.
<b>Three Digit Add / Sub Regrouping 1, 2, 3 Digit Number</b> (3 activities)		Subtraction: 1 digit from 2 digit.
<b>Missing Term - Picture Term</b>	Type the missing number and press enter.	Subtraction: 1 digit from 3 digits.
<b>Missing Term - Using Numbers</b>		Subtraction: 2 digits from 2 digits. Subtraction: 2 digits from 3 digits Subtraction: 3 digits from 3 digits.
		Determine the value of a missing term in a simple addition or subtraction equation.

# Mastering Numeration 3

5 - Multiplication

6 - Division

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
<b>Multiplication / Division Review</b>	Type the answer for each question.	Multiplication and division facts to 49.
<b>Multiply / Divide Machine</b>		
<b>Multiply / Divide Chart</b>		
<b>Multiply / Divide Practice</b>		

7 - Money

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
<b>Building Sentences</b>	Type the number of dollars and cents for the amount of money shown.	Understand decimal notation for money.
<b>Building Prices</b>		
<b>Click and Count the Coins</b>	Click on the coins from least value to greatest in order to count them.	Add and subtract money amounts for values up to \$10.00.
<b>Count the Coins</b>	Count the coins and click on the correct answer.	
<b>Count the Loose Change</b>		
<b>Counting Money</b>		
<b>Adding Money</b>		

# Mastering Numeration 3

## 8 - Fractions

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
<b>Dividing into Equal Parts</b>	Click on the checkmark if the shape is divided into equal parts.	Understand if a shape is divided into equal sections.
<b>Which One Has Equal Parts</b>	Click on the shape that is divided into equal parts.	
<b>Making Fractions</b>	Type how many equal parts are in each shape, then type how many parts are colored.	Understand how many sections a shape is divided into. Understand how many sections of a shape are highlighted.
<b>Adding Fractions</b>	Type the denominator, then add the numerators of these two fractions.	Understand basic addition of fractions with like denominators.
<b>Compare Fractions</b>	Click on the correct sign that compares the two fractions.	Understand greater than, less than, and equal signs and apply them to pairs of basic fractions.
<b>Compare Decimals and Fractions</b>	Click on the correct sign that compares the fraction to a decimal.	Understand greater than, less than, and equal signs and apply them to pairs of basic fractions and decimals.
<b>Compare Decimals</b>	Click on the correct sign that compares the two decimals.	Understand greater than, less than, and equal signs and apply them to pairs of basic decimals.
<b>Fractions to Decimals</b>	Type the decimal number for each fraction.	Convert tenths decimals to fractions.
<b>Equivalent Fractions</b>	Click on the fraction below that is equal to the fraction at the top.	Understand greater than, less than, and equal signs and apply them to pairs of fractions.