



Mastering Numeration 1

Mastering Numeration 1 provides students in grades K to 1 with a strong foundation in understanding basic number concepts. Some of the skills taught in this program include: number recognition, counting, addition and subtraction. 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. The program teaches skills by using a wide variety of multi-sensory activities. **Mastering Numeration 1** was developed by experienced teachers to provide a solid foundation in basic number concepts.

Targeted Skills

- Number recognition to 100.
- Read and print number words 1 to 10.
- Count by ones, twos, fives and tens up to 100.
- Addition facts to 18.
- Subtraction facts from 10.
- Basic calculator skills and ability to use an abacus.
- Recognize appearance, name and value of coins and perform simple additions with them.

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.

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Program Outline

The program is broken down into 7 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. Learning the Numbers
2. Working with Numbers
 3. Addition
 4. Subtraction
5. Calculator Practice
6. Money
7. Mixed Practice

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1 - Learning the Numbers

UNITS	ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Learn the Numbers 0 to 10	Number Match	Click on the matching numbers.	Read and print numerals. Understand sounds of numerals.
	Hear and Find	Click on the number you hear.	
	Type the Numbers	Type the number you see.	
	Flash Cards	Click on the number that matches the number you see.	
	Color the Objects	Color the number of objects to match the number you hear.	Understand one-to-one correspondence between number and visual group of objects.
	Turn the Tiles	Click on the correct number of tiles.	
	Learn to Count	Click on the number of objects you see.	
	Count and Match	Click on the group that has the number you hear.	
	Count the Pictures	Count the objects and type the number.	
	Number Words	Click the word and the number that match. Type the number that matches the word. Type each word in the list.	Read number words 0 -10. Print number words 0 - 10.

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1 - Learning the Numbers (continued)

UNITS	ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Learn the Numbers 10 to 20 20 to 30 30 to 50 50 to 70 70 to 100	Number Match	Click on the matching numbers.	Read numerals.
	Hear and Click	Click on the number you hear.	Understand sound of numerals.
	Type the Numbers	Type the number you see.	Read and print numerals.
	Abacus	Click and count groups of up to 10 beads to count up to the designated number.	Count by 10's, 5's and 1's by using an abacus.
	Click and Count	Click on the number units to put the correct number in the tens or ones box for a given number.	Understand that two digit numbers are made up of tens and ones and identify how many of each for a given number.
	Paint a Pattern	Color the number squares in order to make a pattern or picture.	Count by 1's.

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2 - Working with Numbers

UNITS	ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Working with Numbers 0-10	Fill in the Blanks	Type the missing numbers.	Count up by 1's.
	Count to x	Type the numbers in the correct order from x to x.	
	Counting by 1's	Type the numbers in the correct order.	
Working with Numbers 10 - 20	Counting Backwards	Type the missing numbers in the backward sequence.	Count backwards by 1's.
Working with Numbers 20 - 30	Abacus	Click and count groups of up to 10 beads. Click the number when you have moved that many beads.	Count by 10's, 5's and 1's by using an abacus.
Working with Numbers 30 - 50	Choose the Biggest Number	Click on the biggest number.	Compare numbers and identify which number has the greatest or smallest value.
	Choose the Smallest Number	Click on the smallest number.	
Working with Numbers 0 - 100	Order the Numbers	Type the numbers you see in their correct order.	Count up by 1's. Reorder out of sequence numbers into their proper numerical sequence.

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3 - Addition

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Learn to Add 1 to 3 Learn to Add 4 to 6 Learn to Add 7 to 9	Put the correct number of flowers (numbers x to x) into the boxes representing each term in the equation. (3 activities)	Understand addition facts for two digit addition (#s 1-9).
Number Sentences Row 1 to 3 Number Sentences Row 4 to 6 Number Sentences Row 7 to 9	Solve simple row addition problems with numbers x to x. (3 activities)	
Picture Addition	Type the answer for how many objects are shown in the pictorial equation.	Understand concrete materials as a representation of an addition problem. Understand addition facts for two digit addition (#s 1-9).
Number Sentences Column	Solve simple column addition problems with numbers 0 to 9. (3 activities)	Understand addition facts for two digit addition (#s 1-9).
Extra Practice in Addition	Various problems based on identifying the correct answer to simple addition problems.	

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4 - Subtraction

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<p>Learn to Subtract 1 to 3</p> <p>Learn to Subtract 4 to 6</p> <p>Learn to Subtract 7 to 10</p> <p>Learn to Subtract 1 to 10</p>	<p>Take away the number of objects you hear by clicking on them. (4 activities)</p>	<p>Understand subtraction facts for two digit subtraction (#s 1-9).</p>
<p>Number Sentences Row 1 to 3</p> <p>Number Sentences Row 4 to 6</p> <p>Number Sentences Row 7 to 10</p> <p>Number Sentences Row 1 to 10</p>	<p>Solve simple row subtraction problems with numbers 1 to 10. (4 activities)</p>	
<p>Extra Practice in Subtraction</p>	<p>Various problems based on identifying the correct answer to simple subtraction problems.</p>	

5 - Calculator Practice

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<p>Calculator 0 to 10</p> <p>Calculator 10 to 20</p> <p>Calculator 20 to 30</p> <p>Calculator 30 to 50</p>	<p>Use the calculator to answer the questions above the calculator.</p>	<p>Basic understanding of single digit addition and subtraction.</p> <p>Basic calculator skills.</p>

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6 - Coins

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Match the Coins	Click on the coins that match.	Basic understanding of the appearance of different coins.
Show me the Coins	Click on the coin you hear.	Basic understanding of the appearance and spoken name of different coins.
Counting Pennies	Click on the group of pennies that has the same value as the coin above.	Basic understanding of the appearance, spoken name and value of different coins.
How Many Cents?	Click on the written amount that is the same as the coin you see.	Basic understanding of the appearance, spoken name and value of different coins.
Working with Coins: Counting Pennies and Nickels	Click on the pennies to count them, then click on the answer.	Basic understanding of the appearance, spoken name and value of different coins. Counting up by 1's.
Working with Coins: Counting Nickels	Click on the nickels to count them, then click on the answer.	Basic understanding of the appearance, spoken name and value of different coins. Counting up by 5's.
Working with Coins: How much is left?	Take away the amount that you hear from the group of pennies.	Basic understanding of the appearance, spoken name and value of different coins. Counting up by 1's.
Working with Coins: Counting Change	Take away the amount that you hear, then press enter.	Basic understanding of the appearance, spoken name and value of different coins. Counting up by 1's. Solve simple single digit addition problems.

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7. Mixed Practice

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Job 1		
Job 2		
Job 3	Click on the correct answer for each addition or subtraction question.	Understand addition facts for two digit addition (#s 1-9).
Job 4	(5 activities)	Understand subtraction facts for two digit subtraction (#s 1-9).
Job 5		