



Scope and Sequence - Complete Math for Texas Grade 1

Complete Math for Texas Grade 1 is a comprehensive Mathematics program designed to give students all of the mathematical skills required for mastery to the end of Grade 1 of the Texas Essential Knowledge and Skills state standards. Each component of the program uses hundreds of activities to build skills gradually and sequentially. Auditory instructions, help buttons and rule files ensure that students will navigate the activities easily, independently and at their own level of ability. A wide variety of rewards and reinforcements keep the students engaged and motivated to succeed while they develop academic self confidence.

Program Layout

- 1 - Numeration
- 2 - Addition and Subtraction
- 3 - Money
- 4 - Geometry
- 5 - Measurement
- 6 - Data Analysis
- 7 - Personal Finance

Marks Manager

Using the new Version 5 Marks Manager a teacher can assign program pretests to individual students, or an entire class. Based on pretest results the Marks Manager will create an individualized program to target each student's skill deficits. It's completely automated and provides a highly efficient way to tailor instruction to meet specific learning needs. It provides individualized student instruction in a way that is not otherwise possible given limited time & resources.

- Pretests automatically assess the skill and ability levels of each student
- Automatic creation of an individualized program for each student's specific needs
- Teachers also retain the ability to customize all programs to meet instructional needs
- New "Hot Spots" report quickly identifies areas of student difficulty
- New "Skills" report relates all activities to specific curriculum outcomes
- Stores student marks and progress in one central location for all programs
- Creates and prints reports quickly and easily for sharing with parents and staff

1.1 - Numeration - 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.	Read number words 0 -10. Print number words 0 - 10.
	Number Words	Click the word and the number that match. Type the number that matches the word. Type each word in the list.	

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UNITS	ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Learn the Numbers 10 to 20 20 to 30 30 to 50 50 to 70 70 to 120	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.

1.2 - Numeration - 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 - 120	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.

1.3 - Numeration - Working with Numbers Practice

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Expanded Form	Click on the expanded form of the number at the top.	Understand expanded form and standard form.
Expanded Form II	Type the following number in expanded form.	Convert numbers 1-120 between expanded form and standard form.
Make a Number	Type a number that is greater than the number you see. Type a number that is less than the number you see.	Understand the concepts of greater than and less than. Determine numbers that are greater than or less than a given number.
Place Value Compare	Click on the correct answer.	Compare numbers using place value.
Number Line	Click on each number and then click to place it in the correct place on the number line.	Understand number lines. Place numbers 1-120 on a number line.
Compare With Symbols	Click on the correct symbol to compare the two numbers you see.	Understand the concepts of greater than and less than. Understand the symbols used to indicate greater than and less than.
10 Less	Click on the number that is 10 less than the number you see at the top.	Determine a number that is 10 more or 10 less than a given number.
10 More	Click on the number that is 10 more than the number you see at the top.	
Add Three Numbers	Type the correct answer, then press enter.	Basic addition of 3 numbers.
Subtract Three Numbers	Type the correct answer, then press enter.	Basic subtraction of 3 numbers.
Missing Numbers Addition	Type the number that is missing, and press enter.	Understand basic algebra to identify missing numbers in simple addition and subtraction problems.
Missing Numbers Subtraction	Type the number that is missing, and press enter.	
Click and Count by Twos	Click on the number units to put the correct number in the twos box for a given number.	Understand that even numbers are made up of groups of twos and identify how many of each for a given number.

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2.1 - Addition and Subtraction - 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.	
Adding More Than Two Numbers I & II	Type the correct answer, then press enter.	Basic addition of 3 numbers.
Find the Problems	Find all of the problems that are equal to the number on the left.	Understand that different addition problems may result in the same answer.
Adding from 10s I & II	Type the correct answers and then press enter.	Add single digit numbers to multiples of 10.
Compose 10 With Objects	Look at the numbers you see. Click on a few different groups that would add together to give you a total of 10.	Compose the number 10 by using objects.
Compose 10 Without Objects	Look at the numbers you see. Click on a few different numbers that would add together to give you a total of 10.	Compose the number 10 by using numbers.
Multiples of 10	Count the number of dots you see and type the number, then press enter. Be sure to try to count the groups of 10s to make it easier.	Count a number of dots using groups of 10 and single dots.
2 Digit Problems	Read the questions and type the correct answers.	Solve basic addition word problems.

2.2 - Addition and Subtraction - Subtraction

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Learn to Subtract 1 to 3 Learn to Subtract 4 to 6 Learn to Subtract 7 to 10 Learn to Subtract 1 to 10	Take away the number of objects you hear by clicking on them. (4 activities)	Understand subtraction facts for two digit subtraction (#s 1-9).
Number Sentences Row 1 to 3 Number Sentences Row 4 to 6 Number Sentences Row 7 to 10 Number Sentences Row 1 to 10	Solve simple row subtraction problems with numbers 1 to 10. (4 activities)	
Extra Practice in Subtraction	Various problems based on identifying the correct answer to simple subtraction problems.	
Number Sentences Column 1 to 10	Type the correct answer, then press enter.	Understand and use column layout for basic subtraction problems.
Extra Practice in Subtraction (5 activities)	Click on the correct answer for each question.	Understand subtraction facts for two digit subtraction (#s 1-9).
Subtraction Problems	Adding and subtracting are opposites. Choose an addition problem on right that shows another way of thinking of the subtraction problem on the left.	Understand that addition and subtraction are opposites. Match opposite addition and subtraction equations.
Decomposing to 10	Click on all of the equations that lead you to 10.	Decompose numbers to 10.
Subtracting to 10	Type the missing number or numbers, then press enter.	Decompose numbers to 10.
Missing Numbers	Read the questions and type the correct answers.	Solve basic word problems involving simple algebra and subtraction.
2 Digit Problems	Read the questions and type the correct answers.	Solve basic subtraction word problems.

2.3 - Addition and Subtraction - Calculator Practice

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

3 - Money

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 Dimes	Click on the dimes to count them, then click on the answer.	Basic understanding of the appearance, spoken name and value of different coins. Counting up by 10's.

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ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Counting by Twos	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. Counting up by 2'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.

4.1 - Geometry - 2D Naming

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Pick the Shape (2 activities)	Click on the shape that matches the shape you hear.	Identify 2D shapes (circle, rectangle, square, triangle, hexagon).
Shape Matching (2 activities)	Match the shape with its name.	
What Shape is This? (2 activities)	Click on the name of the shape that you hear.	
Shape Hunt	Find and click on all the shapes that match the shape that you hear.	
Shape Hunt Counting	Count the number of shapes that match the shape that you hear and press enter.	
Square Types I	Click on the name of the shape that you hear.	Understand the various types of squares.
Square Types II	Click on all of the correct answers.	

4.2 - Geometry - 3D Naming

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Pick the Figure (2 activities)	Click on the figure that matches the figure that you hear.	Identify 3D shapes (cube, cone, cylinder, sphere, prisms).
Figure Matching (2 activities)	Match the figure with its name.	
What Figure is This? (2 activities)	Click on the name of the figure that you hear.	
Figure Hunt	Find and click on all the figures that match the shape that you hear.	
Figure Hunt Counting	Count the number of figures that match the figure that you hear and press enter.	
Click the Prism	Click on the shape that is a prism.	Basic identification of a prism.
Click the Figures	Click on the shape that matches the shape you hear.	Identify 3D shapes (cube, cone, cylinder, sphere).

4.3 - Geometry - 2D Properties

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Count the Sides	Type the number of sides that each shape has.	Count the number of sides of 2D shapes.
Count the Corners	Type the number of corners that each shape has.	Count the number of corners of 2D shapes.
Find the Sides	Click on the shapes that have the number of sides that you hear.	Count the number of sides of 2D shapes.
Biggest	Click on the biggest shape.	Compare 2D shapes based on size.
Smallest	Click on the smallest shape.	
Order the Shapes	Click on the shapes in order from the smallest to the biggest.	
Same Size Shapes	Click on the two shapes that are the same size.	
Shapes and Colors	Match each shape with its description.	Classify shapes based on color.
Shape Builder	Drag each piece into the silhouette to make it shape.	Build 2D shapes from smaller shapes.

4.4 - Geometry - 3D Properties

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Biggest	Click on the biggest figure.	Compare 3D figures based on size.
Smallest	Click on the smallest figure.	
Order the Figures	Click on the figures in order from the smallest to the biggest.	
Same Size Figures	Click on the two figures that are the same size.	
Figures & Colors	Match each figure with its description.	Classify figures based on color.
Riddles	Click on the figure that answers each riddle.	Understand basic properties of 3D figures - # corners, sides, etc.
Riddles 2		
What is the Shaded Shape?	Click on the shape that matches the red shape.	Identify a 2D shape within a 3D figure.

4.5 - Geometry - Symmetry

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Is it a Line of Symmetry	Is this shape divided symmetrically?	Identify whether a picture is divided symmetrically or not.
Is it Symmetrical?	Is this picture symmetrical?	
Find the Match	On the left there is one half of a picture. Click on the shape from the right that is the matching other half.	Determine whether given halves of an object are symmetrical or not.
Pick the Line	Look at the picture you see. If you wanted to divide it into two symmetrical parts, would you use a line that goes up & down or a line that goes left & right?	Basic understanding of how to divide a picture symmetrically.

4.6 - Geometry - Fractions

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
Dividing into Equal Parts	Click on the checkmark if the shape is divided into equal parts.	Understand if a shape is divided into equal sections.
Which One Has Equal Parts	Click on the shape that is divided into equal parts.	
Count the Equal Parts	Type how many equal parts each shape is divided into.	Understand how many sections a shape is divided into.
Making Fractions	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.
Fraction Names	Match the fraction with the fraction word.	Understand basic fraction words - halves, quarters.
Color the Fractions	Chose a color button, then color the fraction that you hear.	Understand how many sections a shape is divided into. Understand how many sections of a shape are highlighted.

5.1 - Measurement - Length & Height

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
True or False?	Answer the following questions by clicking on the check or the x.	Compare height of objects. Understand concepts like bigger, biggest, shorter and shortest.
Tallest or Shortest	Click on the tallest or shortest.	
Order the Pictures	Click on the pictures from shortest to tallest.	
What is the Height	Measure objects using non standard units.	Measure the height and length of objects by using non-standard units.
Measure the Height		
What is the Length		
Measure the Length		
Which Would You Use?	Which unit would you use to measure various real world objects?	Select an appropriate standard unit of measure to measure the length and height of various real world objects.
Match the Height	Press the spacebar when you see the correct unit to measure the length of each object.	
Order the Height	Click on the objects in order from the shortest to the tallest.	Compare and order the heights and lengths of various real world objects.
Click the Tallest	Click on the tallest object.	
Order the Length	Click on the objects in order from the longest to the shortest.	
Measure the Length	Type the correct length of each object by using the ruler.	Use a ruler to measure the length and height of various real world objects in standard units.
Measure the Height	Type the correct height of each object by using the ruler.	
How Much Longer?	Read each question and type the correct answer.	Determine how much longer one object is than another object.
Guessing Length	How long is this object? Click on the correct answer.	Estimate the length of common objects.
Compare Unit Lengths	Measure the object you see in centimeters and in inches.	Measure the same object with two different units of measure.

5.2 - Measurement - Telling Time

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Which Takes Longer?	Name the activity which takes longer to complete.	Understand the passage of time and relate it to the duration of certain familiar activities.
Order the Events	Put these events in order.	Order pictorial sequences of events.
Building a Clock	Type the numbers in the order they appear on the face of a clock.	Read analog clocks to the hour and half-hour.
By the Hour	Click on the correct time to match the clock.	
By the Half-Hour		
What Time is It?		
What Time Do You Hear?	Click on the clock that matches the time you hear.	
Match the Clock	Click on the clock that matches the time on the left.	
Match the Time	Match the written time with its digital notation.	Read time when written digitally and as "o'clock."
Concentration	Match the written times with the clocks.	

6.1 - Data Analysis - Counting

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Fruit	Various questions about how many apples or bananas there are, as well as comparing these numbers.	Sort, count and compare objects based on one characteristic.
Stars	Various questions about how many yellow or blue stars there are, as well as comparing these numbers.	
Skateboards	How many skateboards are there? How many skateboards are red? How many skateboards are not red or green? etc.	
Water Jugs	Click the jug with the most / least / 2nd most / 2nd least amount of water.	Sort pictorial objects based on one characteristic.

6.2 - Data Analysis - Sorting

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Hats	Various questions about the properties of a group of hats.	Recognize basic properties of pictorial items.
Triangles	Click on each triangle and place them in two different groups so that are the triangles in each group are the same.	Sort geometric objects based on one attribute.
Shapes	Look at the picture of sorted shapes. Are the shapes sorted by shape or color?	Determine how three groups of shapes have been sorted - by color or shape.
What Do They Have in Common?	Look at these shapes. What do they have in common?	Determine what two given shapes have in common - same shape or same color.
What Do They Have in Common? II	Look at these letters. What do they have in common - same letter or same color?	
What Do They Have in Common? III	Look at these numbers. What do they have in common - same number or same color?	

6.3 - Data Analysis - Surveying

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Pick the Question	Students must pick the best question from a list given to get a desired result.	Choose an appropriate question to get a desired result from a survey.
Good and Bad Questions	Is the given question a “yes and no” question?	Determine whether a given question is a “yes and no” question.
Do a Survey	Look at the picture and tell me - How many people like red / blue balloons? How many more people liked red balloons over blue balloons? How many people did you ask in total?	Collect first-hand data by performing basic surveys.
Do a Survey II	Look at the ballots and keep track of how many votes each person received to be class president.	

6.4 - Data Analysis - Graphing

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Number of Coins	Does the graph match the number of coins you see?	Compare one-to-one bar graphs with a pictorial representation of the data.
Rainy Days	Various questions about reading data from a basic pictograph.	Read data from pictographs with one-to-one correspondence.
Rainy Days 2	What questions could you ask after looking at this graph? Click on all of the correct answers.	Ask questions based on data in a pictograph.
Getting to School	Your teacher did a survey on how the students in your class got to school each day. Click on the squares in the graph to fill them in.	Complete a one-to-one bar graph from basic data.
Getting to School (Activity 2)	Various questions about reading data from a basic bar graph.	Read data from bar graphs with one-to-one correspondence.
Picture Graph	Fill in the graph with the right amount of apples picked.	Make a bar graph.

7 - Personal Finance

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Charitable Giving	Does the sentence you see give an example of charitable giving?	Understand concept of charitable giving.
Income I	Click on the phrases that mean income.	Understand concept of income. Understand uses of income.
Income II	Click on the things you can do with income.	
Spending and Saving	Look at the picture you see. Does it show a picture of a person spending or saving? Click on the correct answer.	Distinguish between spending and saving.
Wants and Needs	Look at the items below. If you did not have much money, which 4 items should you buy first?	Distinguish between wants and needs.