



Scope and Sequence - Complete Math for Texas Grade 3

Complete Math for Texas Grade 3 is a comprehensive Mathematics program designed to give students all of the mathematical skills required for mastery to the end of Grade 3 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 - Fractions
- 3 - Addition and Subtraction
- 4 - Multiplication and Division
- 5 - Algebra and Reasoning
- 6 - Money
- 7 - Geometry
- 8 - Measurement
- 9 - Data Analysis
- 10 - 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

Complete Math for Texas Grade 3

1 - Numeration

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
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.
Big Numbers	Match entries in a column of written numbers to entries in a column of numbers.	Understand how to write numbers 1-100000.
Expanded Form I	Click on the expanded form of the number at the top.	Understand expanded form and standard form. Convert numbers 1-100000 between expanded form and standard form.
Expanded Form II	Type the following number in expanded form.	
Between the Number Lines	Look at the number you see and then click where that number would appear on the number line.	Determine where a number would lie on a number line.
Rounding Riddles	Various riddles which involve rounding numbers.	Round numbers to the nearest 10, 100 and 1000.
Compare	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 100000.
Biggest Number	Click on the biggest number.	Compare numbers and identify which number has the greatest or smallest value for numbers 1 to 100000.
Smallest Number	Click on the smallest number.	
Pick the Middle Number	Click on the middle number.	
Find the in Between Number	Pick the number that belongs in between the other two.	
From Smallest to Biggest	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 100000.
Choose the Correct Sign	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 100000.
Hungry Alligator		
Bigger, Smaller or Same As		
Rounding to 1000s	Round the number you see to the nearest 1000.	Round numbers to the nearest 10 or 100.
Rounding to 10000s	Round the number you see to the nearest 10000.	

2 - 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.	
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.
Adding Fractions	Type the denominator, then add the numerators of these two fractions.	Understand basic addition of fractions with like denominators.
Compare Fractions	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.
Decomposing Fractions	Decompose the fraction by filling in the missing number. Press enter after typing each answer.	Decompose fractions into component fractions.
Compare Decimals and Fractions	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.
Compare Decimals	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.
Fractions to Decimals	Type the decimal number for each fraction.	Convert tenths decimals to fractions.
Equivalent Fractions I, II & III	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.
Equivalent Fractions - Number Line	Fill in the blanks to make the two fractions equal. Look at the number line pictures to help you. Press enter after typing the correct answer.	Determine equivalent fractions by using number lines.

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ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
Fraction Problems	Various real-world problems which involve fractions.	Addition and subtraction of fractions.
Fractions From a Line	What fraction is shown by the star on the number line?	Determine a fraction that is indicated on a number line.
Fractions on a Line	Where would this fraction appear on the number line? Click on the line.	Place a given fraction on a number line.

3.1 - Addition and Subtraction - Addition

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
Review Addition Facts (9 activities - # 2-9 Facts)	Type the correct answer for various addition and subtraction problems.	Addition: 2 digits to 1 digit. Addition: 3 digits to 1 digit Addition: 2 digits to 2 digits. Addition: 3 digits to 2 digits Addition: 3 digits to 3 digits.
Addition Facts (10 activities - # 10-19 Facts)		
Two Digit Addition Number Line (3 activities)		
Three Digit Addition (3 activities)		
Three Digit Addition Add 1, 2, 3 Digit Number (3 activities)		
Three Digit Addition Regrouping 1, 2, 3 Digit Number (3 activities)		
Two Step Addition	Type the answer, then press enter.	2 step addition problems.
2 Digit Add Problems	Various real-world 2 digit addition problems.	2 digit addition.
3 Digit Add Problems	Various real-world 3 digit addition problems.	3 digit addition.

3.2 - Addition and Subtraction - Subtraction

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
Review Subtraction Facts (9 activities - # 2-9 Facts)	Type the correct answer for various addition and subtraction problems.	Subtraction: 1 digit from 2 digit. Subtraction: 1 digit from 3 digits. Subtraction: 2 digits from 2 digits. Subtraction: 2 digits from 3 digits Subtraction: 3 digits from 3 digits.
Subtraction Facts (10 activities - # 10-19 Facts)		
Two Digit Subtraction Number Line (3 activities)		
Two Digit Subtraction (3 activities)		
Three Digit Subtraction Subtract 1, 2, 3 Digit Number (3 activities)		
Three Digit Subtraction Regrouping 1, 2, 3 Digit Number (3 activities)		
Two Step Subtraction	Type the answer, then press enter.	2 step subtraction problems.
3 Digit Subtract Problems	Various real-world 3 digit subtraction problems.	3 digit subtraction.
2 Digit Subtract Problems	Various real-world 2 digit subtraction problems.	2 digit subtraction.

4.1 - Multiplication and Division - Multiplication

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
Multiplication Review	Type the answer for each question.	Multiplication and division facts to 100.
Multiply Machine		
Multiply Chart		
Multiply Practice		
Learn to Multiply Bigger Numbers	Solve the multiplication problem you see at the top of the screen.	Solve more difficult multiplication problems through multiple guided steps.
Multiply Big Numbers	Let's practice multiplying big numbers. Type the answers and press enter.	Multiply single digit numbers by different multiples of 10.
Multiplication Problems	Various real-world multiplication problems.	Multiplication facts to 49.
Multiply & Divide Problems	Various real-world problems which involve multiplication and division.	Multiplication and division facts to 100.
Groups of Objects	How many dots do you see? Count the groups and use multiplication to get the answer. Type your answer then press enter.	Multiply groups of 10 objects.
Two Digit Multiplication I	Type the answer, then press enter.	Multiply single digit numbers by different multiples of 10.
Two Digit Multiplication II	To answer these multiplication problems, you enter digit by digit, filling in the blanks as you go.	Multiply single digit by 2-digit numbers.
Strip Diagrams	Type the missing numbers, then press enter.	Use strip diagrams to solve real-world multiplication problems.
Multiplication Arrays	How many dots are there? Type the answer, then press enter.	Multiply using arrays.
Multiplication Expressions	Type the missing numbers, then press enter.	Understand the written form of multiplication equations.
Finding the Quotient	Type the answer, then press enter.	Understand that division and multiplication are opposites. Use properties of multiplication to find quotients.

4.2 - Multiplication and Division - Division

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
Division Review	Type the answer for each question.	Multiplication and division facts to 100.
Division Machine		
Division Chart		
Division Practice		
Division Problems I	Various real-world division problems.	Division facts to 49.
Division Problems II	Various real-world division problems.	Division facts to 100.
Evens and Odds	Is x evenly divisible by 2? Is x an even number?	Understand that even numbers are divisible by 2.
Finding the Quotient	Type the answer, then press enter.	Understand that division and multiplication are opposites. Use properties of multiplication to find quotients.

5 - Algebra and Reasoning

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
Number Pair Table	Type the missing numbers in the table. Press enter after you type each entry.	Multiply numbers by 2.
Number Pair Problems	Type the correct answer, then press enter.	
Missing Term Addition - Picture Term (3 activities)	Type the missing number and press enter.	Determine the value of a missing term in a simple addition or subtraction equation.
Missing Term Addition - Using Numbers (3 activities)		
Missing Term Subtraction - Picture Term (3 activities)	Type the missing number and press enter.	Determine the value of a missing term in a simple addition or subtraction equation.
Missing Term Subtraction - Using Numbers (3 activities)		
Missing Numbers	Students are introduced to basic algebra through real-world problems that feature a missing number that students have to calculate through addition, subtraction, multiplication or division.	Solve real-world problems of simple algebra.
Algebra Word Problems	Various real-world problems which involve missing terms from simple algebraic problems.	Solve real-world problems of simple algebra.

6 - Money

ACTIVITY NAME	INSTRUCTIONS	REQUIRED SKILLS
Building Sentences	Type the number of dollars and cents for the amount of money shown.	Understand decimal notation for money.
Building Prices		
Click and Count the Coins	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.
Count the Coins	Count the coins and click on the correct answer.	
Count the Loose Change		
Counting Money		
Adding Money		

7.1 - Geometry - 2D Shapes

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Four Siders	Click on all the parallelograms / rhombuses / trapezoids.	Identify parallelograms, rhombuses and trapezoids.
Find the Pentagons	Click on all of the pentagons.	Identify 2D shapes.
Find the Hexagons	Click on all of the hexagons.	
Find the Octagons	Click on all of the octagons.	
Name the Shapes	Click on the name of the shape you see.	
How Many Sides	How many sides does a (hexagon, pentagon, octagon, square, trapezoid, triangle, rhombus, parallelogram) have?	Recognize the number of sides that a printed shape name has.
Shape Riddles	Various riddles based on the properties of 2D geometric shapes.	Understand basic properties of 2D shapes.

7.2 - Geometry - 3D Figures

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
What Figure is This?	Click on the name of the figure that you see.	Identify 3D figures.
How Many Vertices?	How many vertices does this figure have?	Count the number of vertices of 3D figures.
How Many Edges?	How many edges does this figure have?	Count the number of edges of 3D figures.
Riddles	Click on the figure that answers the riddle.	Recognize the properties of 3D figures.
Building a Figure	Which geometric shape can be made using each net?	Understand that 3D figures are made up of 2D shapes and determine what shapes are needed to build a given figure.
Taking it Apart	Which net can be made by taking each geometric shape apart?	
Name the Built Figure	Which geometric shape can be made using each net?	
Shapes to Figures	Look at the shapes you see. What figure could you build from these shapes?	

8.1 - Measurement - Perimeter and Area

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Area or Perimeter	Click on the picture that shows area / perimeter.	Understand the difference between area and perimeter.
What is the Perimeter?	What is the distance around this shape?	Measure perimeter in non-standard units.
Around the Outside	Click on the perimeter of each object.	Measure perimeter in standard units.
Comparing Perimeters	Click on the object that has the largest perimeter.	Estimate and compare perimeters of various real world objects.
Area	What is the area covered by each shape?	Measure area in non-standard units.
Guess the Area		
Comparing Areas	Click on the object that has the most area.	Estimate and compare areas of various real world objects.
Word Problems	Calculate the area and perimeter of these objects.	Measure area in non-standard units. Measure perimeter in non-standard units.

8.2 - Measurement - Telling Time

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
What Time Will it Be In...	Add the given time to the clock shown.	Add an amount of time to a given amount of time to the nearest five minutes.
Word Problems	Various word problems involving adding increments of time to a given time.	
Time Problems	Various word problems involving starting time and several time intervals, where students have to calculate the end time.	Add several amounts of time to a given time to calculate the ending time.
Time Riddles	Various riddles about equivalencies of units of time.	Understand the units of measurement for time.

8.3 - Measurement - Capacity and Volume

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Order the Capacity	Click on the pictures in order from the smallest capacity to the greatest capacity.	Estimate and compare the capacities of various real world objects.
Capacity	Click on the capacity of this object.	
Measure the Capacity	Type the amount of water in each measuring cup.	Measure capacity and volume using standard units.
Test Tube	Measure the amount of water in each test tube.	
Orange Juice	Compare the amounts of orange juice in each container.	Measure and compare volumes using standard units.

8.4 - Measurement - Length, Height and Distance

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Fill in the Blank	Enter the number of units for each unit equivalency.	Understand the relationship between different units of measure for length, height and distance and convert between them.
True or False	Answer true or false questions about the relationships between units of measure.	
Which is the Longest or Shortest?	Pick the longest or shortest measurement among different units.	
Measure the Length	Type the correct length for each object.	Measure length using a ruler and standard units of measure.
Track	Look at how far runners have gone on a track and answer questions about the distances between them.	
Measure the Height	Answer questions about the height of different objects and the differences between them.	Measure height using a ruler and standard units of measure.
Click the Height	Click on the shortest / tallest object.	Compare different heights.
Travel the City	Find distances on a map.	Measure length using non-standard units.

8.5 - Measurement - Mass

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Order the Weights	Click on the pictures from the lightest to the heaviest.	Estimate and compare the masses of various real world objects.
Guess the Weight	How much do you think this object weighs?	
Measure the Weight	How much does this object weigh?	Use a scale to measure mass in standard units.
How Much Does it Weigh?		
Heavier or Lighter	Does this object weigh more than x standard units?	Use a tipping scale to measure whether an object weighs more or less than a given number of standard units.
Choose the Appropriate Unit of Weight	What is the appropriate unit of measure to measure the mass of this object.	Understand the relationships between different units of measure for mass.

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9.1 - Data Analysis - Surveying

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Campers	Various questions about the number of campers with specific attributes in a given picture.	Gather data from pictorial evidence based on one attribute.
Drink Orders	Various questions about the number of drink orders with specific attributes in a given picture.	
Favorite CDs	Various questions about how the number specific CDs in a pile of CDs.	
Fruit Survey	Various questions about the number of fruit totaled up on a tally chart.	Gather data from a tally chart.

9.2 - Data Analysis - Graphing

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Favorite Days	Various questions about comparing data from a tally chart.	Read data from a tally chart.
What is the Best Graph?	Pick which type of graph would be best for a specific surveying situation.	Determine the appropriate graph for a given situation.
Cars	Various questions about reading and comparing data from a pictograph.	Read pictographs with many-to-one correspondence.
Home Runs		
Favorite Seasons	Various questions about reading and comparing data from a bar graph.	Read bar graphs with many-to-one correspondence.
Sports Equipment		
Tally Charts	Compare the graph with the tally chart. Does the tally chart match the graph?	Determine whether a given tally chart matches a given bar graph.
Complete the Graph	Read the information below the graph, then drag the bars at the bottom of the screen to their proper locations on the graph.	Build a bar graph from its separate parts.
How We Spend Our Days	Various questions about reading and comparing data from a bar graph with two series.	Read multiple series bar graphs with one-to-one correspondence.
The Book Fair	Students have to read a chart of information about a number of books and answer a series of questions.	Read data from a simple text based data chart.

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ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Good and Bad Questions	Which of the following questions will give you results that you could place on a graph?	Determine good questions for generating a finite number of responses.

10 - Personal Finance

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Credit	Various questions about credit.	Basic understanding of credit.
Human Capital	Fill in the blanks by clicking on the correct answers.	Basic understanding of human capital.
Money Decisions	Look at the sentence you see. What kind of money-related decision does it best describe?	Understand basic types of money-related decisions.
Planned and Unplanned Spending I	Is this planned spending or unplanned spending? Click on the correct answer.	Distinguish between planned and unplanned spending.
Planned and Unplanned Spending II	Read the questions and click on the correct answers.	
Reasons to Save	Click on all of the good reasons to save money.	Understand reasons for saving money.
Saving - True or False	Various questions about saving.	Basic understanding of saving.
Supply and Cost	Fill in the blanks by clicking on the correct answers.	Understand relationship between supply and cost.