

**Chapter 1 : Grade 2 » Operations & Algebraic Thinking | Common Core State Standards Initiative**

*Grade 2 maths Here is a list of all of the maths skills students learn in grade 2! These skills are organised into categories, and you can move your mouse over any skill name to preview the skill.*

English Course Details Course Overview This Grade 2 Math course emphasizes base-ten notation, fluency with addition and subtraction, using standard units of measure, and describing and analyzing shapes. Students will be able to convert to ordinal numbers; compare numbers using greater than, less than, or equal to; order numbers; round number to tens place; identify odd and even numbers; find patterns on hundreds chart; count by ten; add and subtract multiples of ten; regroup when adding and subtracting; record, add, and subtract two-digits; rewrite two-digit addition and subtraction; mentally add and subtract tens; estimate sums; and use a table. Finally, students will be able to identify ones, tens, and hundreds place value; add, subtract, estimate, compare, order, regroup, and write expanded form of three-digit numbers; count by fives and tens; add and subtract multiples of ; skip count; and multiply. They discuss adding and counting on, and real-life applications of counting on. They are introduced to doubles facts, and they review doubles and near doubles. They also practice sums of two and three. They also study changing the order of addends and real-world applications of math facts. They practice addition word problems, adding three numbers, and sums of two, three, and four. Unit 3 - Subtraction Facts In this unit students review subtraction. They practice subtraction word problems, counting back, counting back and forth, and sums of two, four, and five. Unit 4 - Addition and Subtraction I In this unit students learn about using part-part-whole diagrams for addition and for subtraction. They study using addition to find differences, and they are introduced to identifying missing addends. They explore real-life applications of finding missing parts, finding the difference, and finding the missing number. They also practice sums of three, four, five, six, and seven. Unit 5 - Place Value I In this unit students investigate tens and ones, and come to understand place value. They learn about the expanded form of numbers, and number words to They practice sums of five, six, and eight. Unit 6 - Exploring Patterns In this unit students learn to compare numbers, learn about rounding to the nearest ten and about counting by tens, and learn what odd and even numbers are. They study number patterns on hundred charts and skip counting by ten from any number, and they practice sums of two, six, seven, eight, and nine. Unit 7 - Two-digit Addition I In this unit students discover two-digit addition. They learn to regroup when adding, and study modeling and recording two-digit addition. They practice two-digit addition, and learn about rewriting two-digit addition. They also practice sums of three, four, seven, eight, nine, and ten. They practice two-digit addition and learn to add three two-digit numbers and four two-digit numbers, and to count by twos. They explore real-life applications of adding three numbers, and practice more two-digit addition. They also practice sums of five, eight, nine, ten, eleven, and twelve. Unit 9 - Two-digit Subtraction I In this unit students learn to regroup when subtracting, as well as modeling and recording two-digit subtraction and counting by fives. They practice two-digit subtraction and sums of six, ten, eleven, twelve, and thirteen. Unit 10 - Two-digit Subtraction II In this unit students practice two-digit subtraction and rewriting two-digit subtraction. They explore real-world applications of two-digit subtraction and learn to check subtraction using addition. They practice sums of seven, eleven, twelve, thirteen, and fourteen. Unit 11 - Addition and Subtraction II In this unit students learn to do mental math by subtracting tens. They learn to count by tens and they practice two-digit addition and subtraction. They practice counting by twos and explore solving real-world situations, including two-step real-world situations. They practice sums of eight, twelve, thirteen, fourteen, and fifteen. After this unit students are presented with the Mid-Term Exam. Unit 12 - Collect and Graph Data In this unit students discover graphs. They learn to take a survey and practice counting by fives. They learn about bar graphs, pictographs, and line plots, and they practice sums of two, nine, fifteen, and sixteen. Unit 13 - Money In this unit students explore money and learning to count it. They learn to count pennies, nickles, and dimes, and gain understanding of the value of dimes, nickles, and pennies, as well as half dollars and quarters. They discuss coins, and learn to count half dollars and quarters. They practice counting money and learn about dollars. They practice money word problems using cents and using dollars. They also practice sums of three, nine, ten,

eleven, sixteen, and seventeen. Unit 14 - Time In this unit students are introduced to telling time. They learn to tell time to 15 minutes, and then to 5 minutes. They practice telling time, and learn about time in a. They practice sums of four, twelve, seventeen, and nineteen. They gain understanding of the sides and vertices of plane figures, learn to combine plane figures, learn to separate plane figures, and learn about congruent plane figures. Next, students learn to identify solid figures. They examine the relationship between plane figures and solid figures. They practice sums of five, eleven, and eighteen. Unit 16 - Exploring Length I In this unit students investigate inches, feet, yards, and miles. They learn to estimate length using US Customary Units. Next, they explore centimeters and meters, and learn to estimate using the metric system. They practice sums of six, seven, eight, fourteen, and fifteen. They learn to find the difference between two lengths and they practice word problems about length. They explore real-life applications of length and line plots, and they are introduced to area. They practice sums of nine, sixteen, and seventeen. Unit 18 - Exploring Fractions In this unit students are introduced to fractions. They learn about one equal part, and about comparing fractions. They come to understand numerators, denominators, and fractions to describe one whole. They also practice sums of three, ten, eleven, and eighteen. Unit 19 - Place Value II In this unit students discuss hundreds, as well as how ones, tens, and hundreds relate to each other. They learn to identify place value and study number words to They explore the expanded form of three-digit numbers, comparing three-digit numbers, and counting by fives and tens. They practice sums of four, five, six, twelve, thirteen, and fourteen. Unit 20 - Three-Digit Addition In this unit students learn to skip-count by hundreds and to do mental math adding They learn to regroup ones and tens in three-digit addition and they practice three-digit addition. They practice sums of seven, eight, fifteen, and sixteen. Unit 21 - Three-Digit Subtraction In this unit students gain understanding of using mental math for subtracting They learn to regroup tens and hundreds in three-digit subtraction, and they practice three-digit addition and subtraction. They practice sums of nine, ten, and seventeen. Unit 22 - Introduction to Multiplication In this unit students learn to skip-count to find a total, and then learn how addition is related to multiplication. They learn to multiply using an array, and practice sums of fourteen and eighteen. After this unit, students are presented with the Final Exam. This course was developed by the International Academy of Science.

## Chapter 2 : Free Math Worksheets, Problems and Practice | AdaptedMind

*Free Math Worksheets for Grade 2 This is a comprehensive collection of free printable math worksheets for grade 2, organized by topics such as addition, subtraction, mental math, regrouping, place value, clock, money, geometry, and multiplication.*

Print this page In Grade 2, instructional time should focus on four critical areas: Students extend their understanding of the base-ten system. This includes ideas of counting in fives, tens, and multiples of hundreds, tens, and ones, as well as number relationships involving these units, including comparing. Students understand multi-digit numbers up to written in base-ten notation, recognizing that the digits in each place represent amounts of thousands, hundreds, tens, or ones e. Students use their understanding of addition to develop fluency with addition and subtraction within They solve problems within by applying their understanding of models for addition and subtraction, and they develop, discuss, and use efficient, accurate, and generalizable methods to compute sums and differences of whole numbers in base-ten notation, using their understanding of place value and the properties of operations. They select and accurately apply methods that are appropriate for the context and the numbers involved to mentally calculate sums and differences for numbers with only tens or only hundreds. Students recognize the need for standard units of measure centimeter and inch and they use rulers and other measurement tools with the understanding that linear measure involves an iteration of units. They recognize that the smaller the unit, the more iterations they need to cover a given length. Students describe and analyze shapes by examining their sides and angles. Students investigate, describe, and reason about decomposing and combining shapes to make other shapes. Through building, drawing, and analyzing two- and three-dimensional shapes, students develop a foundation for understanding area, volume, congruence, similarity, and symmetry in later grades. Grade 2 Overview Represent and solve problems involving addition and subtraction. Add and subtract within Work with equal groups of objects to gain foundations for multiplication. Number and Operations in Base Ten Understand place value. Use place value understanding and properties of operations to add and subtract. Measurement and Data Measure and estimate lengths in standard units. Relate addition and subtraction to length. Work with time and money. Represent and interpret data. Reason with shapes and their attributes. Mathematical Practices Make sense of problems and persevere in solving them. Reason abstractly and quantitatively. Construct viable arguments and critique the reasoning of others.

## Chapter 3 : Grade 2 Â» Introduction | Common Core State Standards Initiative

*Second grade is when students learn how to perform more complex mathematical operations. But with Math Games' wide selection of curriculum-based games, learning and perfecting these skills doesn't have to be a chore - instead, it's an exciting game!*

## Chapter 4 : Free 2nd Grade Math Printable Worksheets | [www.nxgvision.com](http://www.nxgvision.com)

*Learn second grade math for freeâ€”addition and subtraction with regrouping, place value, measurement, shapes, and more. Full curriculum of exercises and videos.*

## Chapter 5 : 2nd Grade Math | Khan Academy

*2nd grade math worksheets - for children to supplement their math activities at home or in school. Each math worksheet has an answer sheet attached on the second page, making easy for teachers and parents to use.*

## Chapter 6 : Bridges in Mathematics Grade 2 Overview

## DOWNLOAD PDF GRADE TWO MATHEMATICS

*Grade 2 Mathematics Start - Grade 2 Mathematics Module 1* In order to assist educators with the implementation of the Common Core, the New York State Education Department provides curricular modules in P English Language Arts and Mathematics that schools and districts can adopt or adapt for local purposes.

### Chapter 7 : 2nd Grade Math | [www.nxgvision.com](http://www.nxgvision.com)

*Second Grade Math Worksheets* These extraordinary second grade worksheets take skills mastered in first grade to the next level. Addition and subtraction become more exciting with 2-and 3-digit problems.

### Chapter 8 : Grade 2 - Practice with Math Games

*Common Core Mathematics Grade 2 Practice Questions.* 1. Sarah had 80 cupcakes to sell at a bake sale. She sold 70 cupcakes. Then Sarah's mom brought 20 more cupcakes for Sarah to sell at the bake sale.

### Chapter 9 : Free 2nd Grade Math Worksheets

*Find math, logic and word games for children in 2nd Grade at [www.nxgvision.com](http://www.nxgvision.com)!*