

# A+

## A+ Interactive Math

### Product Catalog 2015

## A+ Interactive Math Curriculum

The screenshot shows the A+ Interactive Math website. At the top left is the A+ logo. To its right is the text 'A+ Interactive Math' and 'TutorSoft, Inc.'. On the far right are two buttons: 'Activate My Order' and 'Homeschool Online Log In'. Below this is a navigation bar with links: Home, About Us, Order Now, Software, Books, eBooks/Software Download, Testimonials, Support, and FREE Stuff. The main content area features a large image of two children using a laptop. Overlaid on this image is a green starburst graphic that reads 'ALL NEW flexible Family Packages NOW AVAILABLE!'. To the right of the image are four large green buttons stacked vertically: 'Placement Test', 'Online', 'CD Software', and 'Books / eBooks'. At the bottom of the main content area is a row of six smaller blue buttons: 'Overview', 'Placement Test w/ Lesson Plan', 'Family Packages', 'View Demos', 'Free Month Trial', and 'Specials'.

### Software

- ✓ Adaptive Math Placement Test w/ Lessons
- ✓ Family Math Packages Online
- ✓ Single Grade Level Math Online
- ✓ CD Software
- ✓ Supplemental Math Software CDs

### Books:

- ✓ eBooks
- ✓ Printed Workbooks
- ✓ Printed Curriculum Textbooks

## A+ Interactive Math

# TABLE OF CONTENTS

|  |    |
|--|----|
| Adaptive Math Placement Test w/ Lessons -----                      | 3  |
| Full Curriculum Family Math Packages (Math Online) -----           | 5  |
| Full Curriculum Single Grade Levels (Math Online) -----            | 7  |
| Curriculum CD Software -----                                       | 8  |
| Premium Edition -----  | 8  |
| Standard Edition -----   | 9  |
| eBooks Edition -----   | 9  |
| Product Comparison Matrix -----                                    | 10 |
| 1 <sup>st</sup> Grade Math -----                                   | 11 |
| 1 <sup>st</sup> Grade Math Scope and Sequence -----                | 12 |
| 2 <sup>nd</sup> Grade Math -----                                   | 13 |
| 2 <sup>nd</sup> Grade Math Scope and Sequence -----                | 14 |
| 3 <sup>rd</sup> Grade Math -----                                   | 15 |
| 3 <sup>rd</sup> Grade Math Scope and Sequence -----                | 16 |
| 4 <sup>th</sup> Grade Math -----                                   | 17 |
| 4 <sup>th</sup> Grade Math Scope and Sequence -----                | 18 |
| 5 <sup>th</sup> Grade Math -----                                   | 19 |
| 5 <sup>th</sup> Grade Math Scope and Sequence -----                | 20 |
| 6 <sup>th</sup> Grade Math -----                                   | 21 |
| 6 <sup>th</sup> Grade Math Scope and Sequence -----                | 22 |
| 7 <sup>th</sup> Grade (Pre- Algebra) Math -----                    | 23 |
| 7 <sup>th</sup> Grade (Pre- Algebra) Math Scope and Sequence ----- | 24 |
| 8 <sup>th</sup> Grade (Algebra 1) Math -----                       | 25 |
| 8 <sup>th</sup> Grade (Algebra 1) Math Scope and Sequence -----    | 26 |
| Supplemental Software CDs -----                                    | 27 |
| Workbooks -----  | 35 |
| Full Curriculum Text Books -----                                   | 36 |

A+

# Adaptive Math Placement Test w/ Lessons

(Online) **NEW**

## Adaptive Math Placement Test w/ Lessons Overview


### “Identify and Close” learning gaps in math – Everything Included!

- ✓ Multi-grade level testing
- ✓ “Individualized” lesson plan to target the problem areas
- ✓ Engaging lessons to learn math concepts (video, audio and text)
- ✓ Interactive review with automatic re-teaching
- ✓ Practice problems to apply math concepts
- ✓ Step-by-step solutions to reinforce math concepts
- ✓ Automatic grading and tracking
- ✓ Excellent for any student regardless of what Math curriculum you are using and skill level!
- ✓ Students make HUGE progress in just 30 minutes or less each day.


Placement Testing w/ Lesson Plan

**“Identify & Close” Learning Gaps in Math!**

**Everything Included!**



Multi-grade Level Testing  
Identifies & Closes Gaps  
Individualized Lesson Plan  
Multiple Student Options  
Affordable



**Lessons, Practice, Review, Grading & Tracking**

It's a comprehensive program that uses intelligent algorithm for “adaptive” testing to identify your student's current skill level and then generates an “individualized” lesson plan your student can follow to help you close the learning gaps.

This NEW “Adaptive Placement Test with Individualized Lesson Plan” can be used any time during the homeschool year. You can also use this program at the end of the school year and over the summer to be certain your child is ready to advance to the next level. The Adaptive Placement Test w/ Lesson Plan helps you make sure there are no learning gaps after student has followed his/her “individualized” lesson plan. It is sold in three-month subscriptions, with huge discount for multiple students. The main purpose of this program is that it be used for short term assessment and intervention.

### How does it work?

1. Each one of your student takes a “unit test” for each major concept to identify current skill level.
2. The program then creates an “Individualized” lesson plan your student can follow which includes everything you need.
3. You measure progress using various easy-to-read and very visual reports as your students master various skills and close learning gaps.

Engaging lessons



Build a solid  
Foundation



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# Adaptive Math Placement Test w/ Lessons (Online)

## Adaptive Math Placement Test w/ Lessons Packages

### Prices\*:

- 1 Student Package (1 year) : \$29.99
- 2 Students Package (1 year) : \$39.99
- 3 Students Package (1 year) : \$49.99
- 4 Students Package (1 year) : \$59.99
- 5 Students Package (1 year) : \$69.99
- 6 Students Package (1 year) : \$79.99
- 7 Students Package (1 year) : \$89.99
- 8 Students Package (1 year) : \$99.99
- 9 Students Package (1 year) : \$109.99
- 10 Students Package (1 year) : \$119.99

**Larger packages available upon request.**

*\*Prices subject to change. Visit our website for current prices.*

### **Compatibility:**

Online Edition: Windows, MAC, Linux (any major browsers), Mobile Devices with Flash supported Browsers



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# Full Curriculum Family Math Packages (Math Online)

## Family Math Packages Overview

Our **Family Math Packages** are specially designed to cater to both individual and family needs. Options range from 1 student package to 10 students package. A+ Family Packages are the most flexible program on the market -allowing you to change grade levels as needed. This is excellent for those needing to review previous grade levels or move ahead. A+ Interactive Math online is accessible from anywhere with high speed internet access.

### Highlights:

- Access to all grade levels for each student (K1 - Algebra)
- Change the grade level to fit student needs at any time
- Teaches, Grades, Measures, Reviews and Tracks
- Multiple learning styles to fit student needs
- Buy now for future use and save BIG!



**Family Packages**  
**Multiple Students**  
**Affordable Options**  
**Change Grade Levels**  
**Maximum Flexibility**



[www.AplusInteractiveMath.com](http://www.AplusInteractiveMath.com)

### Student Features:

- ✓ Comprehensive course contents which **meet and exceed state and national standards**
- ✓ Colorful, engaging, concise, and to-the-point lessons with all **three learning modalities (audio, visual, and text)**
- ✓ Makes learning Math fun, easy and increases understanding of concepts
- ✓ **Interactive Review** identifies and closes learning gaps as it **automatically re-teaches concepts**
- ✓ Enhances student learning by allowing them to practice problem solving with **real-time feedback**
- ✓ **Step-by-step instructions**
- ✓ **Automatically generated worksheets and exams** can be completed online- **instantly graded & recorded**
- ✓ Review each question for online worksheets and exams with **step-by-step solutions**
- ✓ Use Templates to **create additional worksheets and exams** for extra practice when required
- ✓ **Progress reports** allow student to track their own success and encourage independent learning
- ✓ **Printable worksheets and exams** allow flexibility to practice problem solving in a more "traditional way"
- ✓ **Curriculum Books** provide easy access to lessons in eBook format
- ✓ **Worksheets and Exams Solution Guides** provide **step-by-step solutions**
- ✓ **Reference sheets** provide easy access to facts and formulas

### Parental Features:

- ✓ **Recommended Lesson Plan**
- ✓ **Instant online grading**
- ✓ **Change grade levels to fit student needs**
- ✓ **Manage all students from a single account**
- ✓ Parental controls allow parents to **lock solution guides**
- ✓ Progress reports **identify areas of strengths and weaknesses**
- ✓ Ability to **print worksheets/exams** and enter students scores to track progress for all work completed offline



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# Full Curriculum Family Math Packages (Math Online)

## Family Math Packages

### Prices:

- 1 Student Family Math Package (1 year) : \$149.99
- 2 Students Family Math Package (1 year) : \$249.99
- 3 Students Family Math Package (1 year) : \$299.99
- 4 Students Family Math Package (1 year) : \$349.99
- 5 Students Family Math Package (1 year) : \$399.99
- 6 Students Family Math Package (1 year) : \$449.99
- 7 Students Family Math Package (1 year) : \$499.99
- 8 Students Family Math Package (1 year) : \$549.99
- 9 Students Family Math Package (1 year) : \$599.99
- 10 Students Family Math Package (1 year) : \$649.99

**Larger packages available upon request.**

### **Compatibility:**

Online Edition: Windows, MAC, Linux (any major browsers), Mobile Devices with Flash supported Browsers

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# Full Curriculum Single Grade Levels (Math Online)

## Single Grade Level Overview

Our online program provides everything you need to give your child a solid foundation in math. Each lesson is reinforced with quizzes, worksheets, and exams that can be completed online - or printed out for a more traditional learning experience. Customers may purchase **particular grade level** for their students as compared to the “**family package**” which allows parents to change the grade level.

### Highlights:

- Easy to use and self-paced.
- Engaging and Fun.
- Comprehensive course contents.
- Automatic re-teaching.
- Saves valuable time.
- Establishes strong foundation and challenges students.



### Student Features:

- ✓ Comprehensive course contents which **meet and exceed state and national standards**
- ✓ Colorful, engaging, concise, and to-the-point lessons with all **three learning modalities (audio, visual, and text)**
- ✓ Makes learning Math fun, easy and increases understanding of concepts
- ✓ **Interactive Review** identifies and closes learning gaps as it **automatically re-teaches concepts**
- ✓ Enhances student learning by allowing them to practice problem solving with **real-time feedback**
- ✓ **Step-by-step instructions**
- ✓ **Automatically generated worksheets** and exams can be completed online- **instantly graded & recorded**
- ✓ Review each question for online worksheets and exams with **step-by-step solutions**
- ✓ Use Templates to **create additional worksheets and exams** for extra practice when required
- ✓ **Progress reports** allow student to track their own success and encourage independent learning
- ✓ **Printable worksheets and exams** allow flexibility to practice problem solving in a more "traditional way"
- ✓ **Curriculum Books** provide easy access to lessons in eBook format
- ✓ **Worksheets and Exams Solution Guides** provide **step-by-step solutions**
- ✓ **Reference sheets** provide easy access to facts and formulas

### Parental Features:

- ✓ **Recommended Lesson Plan**
- ✓ **Instant online grading**
- ✓ **Manage all students from a single account**
- ✓ Parental controls allow parents to **lock solution guides**
- ✓ Progress reports **identify areas of strengths and weaknesses**
- ✓ Ability to **print worksheets/exams** and enter students scores to track progress for all work completed offline





# Full Curriculum CD Software

## CD Software Overview

Our Multi-Sensory Interactive Math Curriculum Software makes learning Math fun and easy by using audio, computer animated visuals and text. It provides ample opportunity to learn using as many real-life situations as possible and practice problem solving with step-by-step solutions. Computerized lessons with automatically graded interactive quizzes and printable worksheet & exams where students are required to show their work makes this a very complete and such a great Math curriculum. This allows sufficient involvement from parents while taking the burden of teaching Math away from them. Parents are NOT expected to have mastery of the Math at all.

Our full year Math curriculum software is available as **Premium Edition**, **Standard Edition** and **eBooks Edition**.

## Highlights

- ✓ Easy to use and self-paced
- ✓ Engaging and Fun
- ✓ Comprehensive course contents
- ✓ Automatic re-teaching
- ✓ Saves your valuable time
- ✓ Establishes strong foundation and challenges students

## Premium Edition

- ✓ Comprehensive course contents that **meet and exceed state and national standards**
- ✓ Colorful, engaging, concise, and to-the-point lessons with **all three learning modalities** (audio, computer animated visuals and text) make learning Math fun, easy and increase understanding of concepts
- ✓ **Interactive Review** helps identify and close learning gaps immediately as it **automatically re-teaches concepts** with audio, visuals and text. It enhances student learning by allowing them to practice problem solving with **real-time feedback and step-by-step instructions**
- ✓ **Curriculum Book** provides easy access to lessons in eBook format
- ✓ Printable **worksheets and exams** allow students flexibility to practice problem solving in a more “traditional way” with pen & paper
- ✓ Worksheets Solution Guide provides **step-by-step solutions** to each printable worksheet
- ✓ Exams Solution Guide provides **step-by-step solutions** to each printable exam
- ✓ Reference sheets provide easy access to facts and formulas
- ✓ **Recommended Lesson Plan** helps parents in regards to pace, timeline, and ordering of material

### *Premium Edition Features include,*

- ✓ **Parental controls** that allow parents to lock solution guides
- ✓ **Electronic grade book** allows parents to easily enter student grades to track progress and generate reports. It eliminates need to maintain paper records and risk of losing student data
- ✓ **Weekly Certificate of Accomplishments** provides weekly progress report to you student



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# Full Curriculum CD Software

## Standard Edition

- ✓ Comprehensive course contents that **meet and exceed state and national standards**.
- ✓ Colorful, engaging, concise, and to-the-point lessons with **all three learning modalities** (audio, computer animated visuals and text) make learning Math fun, easy and increase understanding of concepts.
- ✓ **Interactive Review** helps identify and close learning gaps immediately as it **automatically re-teaches concepts** with audio, visuals and text. It enhances student learning by allowing them to practice problem solving with **real-time feedback and step-by-step instructions**.
- ✓ **Curriculum Book** provides easy access to lessons in eBook format.
- ✓ Printable **worksheets and exams** allow students flexibility to practice problem solving in a more “traditional way” with pen & paper.
- ✓ Worksheets Solution Guide provides **step-by-step solutions** to each printable worksheet.
- ✓ Exams Solution Guide provides **step-by-step solutions** to each printable exam.
- ✓ Reference sheets provide easy access to facts and formulas.
- ✓ **Recommended Lesson Plan** helps parents in regards to pace, timeline, and ordering of material.

## eBooks Edition

- ✓ Comprehensive course contents that **meet and exceed state and national standards**
- ✓ **Curriculum Book** provides easy access to lessons in eBook format
- ✓ Printable **worksheets and exams** allow students flexibility to practice problem solving in a more “traditional way” with pen & paper
- ✓ Worksheets Solution Guide provides **step-by-step solutions** to each printable worksheet
- ✓ Exams Solution Guide provides **step-by-step solutions** to each printable exam
- ✓ Reference sheets provide easy access to facts and formulas

**Note:** Please note that these eBooks are already included in the **Standard Edition** and a **Premium Edition**. So “Full Curriculum eBooks CD Software” is a subset of the Standard or Premium Edition. It offers a lower cost option to homeschooling families that may have a very tight budget.

**Please note that the computerized multimedia lessons and interactive Q&A for each lesson that teach the Math concepts are NOT included in the “Full Curriculum eBooks CD” edition.**

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# Product Comparison Matrix

## Full Curriculum Software

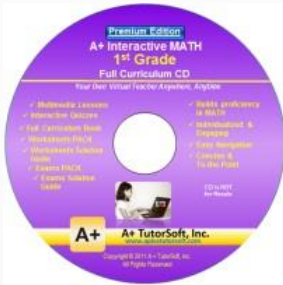
**BEST  
VALUE!**

| Feature Description   | CD (Windows) Based Software |                  |                 | Internet Based            | Internet Based              |
|---|-----------------------------|------------------|-----------------|---------------------------|-----------------------------|
|   | eBooks                      | Standard Edition | Premium Edition | Single Grade Level Online | Family Math Packages Online |
| <b>Core Contents</b>  | ✓                           | ✓                | ✓               | ✓                         | ✓                           |
| Comprehensive course contents   | ✓                           | ✓                | ✓               | ✓                         | ✓                           |
| Recommended Lesson Plan   |                             | ✓                | ✓               | ✓                         | ✓                           |
| Colorful and engaging multimedia lessons that use all three learning modalities - Audio, Visuals and Text ( <i>does the teaching for you and saves you time. Self-paced, engaging and fun</i> ).                |                             | ✓                | ✓               | ✓                         | ✓                           |
| Interactive Q&A with instant feedback and step-by-step problem solving instructions using Audio, Visuals and Text ( <i>helps identify learning gaps and automatically re-teaches to close learnings gaps</i> ). |                             | ✓                | ✓               | ✓                         | ✓                           |
| Curriculum Book in eBook-like format  | ✓                           | ✓                | ✓               | ✓                         | ✓                           |
| Printable Worksheet for each lesson   | ✓                           | ✓                | ✓               | ✓                         | ✓                           |
| Printable Exam for each chapter   | ✓                           | ✓                | ✓               | ✓                         | ✓                           |
| Worksheet Solution Guide with step-by-step solution to each problem on the worksheets   | ✓                           | ✓                | ✓               | ✓                         | ✓                           |
| Exam Solution Guide with step-by-step solution to each problem on the exams   | ✓                           | ✓                | ✓               | ✓                         | ✓                           |
| Cumulative Review   | ✓                           | ✓                | ✓               | ✓                         | ✓                           |
| Cumulative Review Solution Guides   | ✓                           | ✓                | ✓               | ✓                         | ✓                           |
| Formula reference sheets  | ✓                           | ✓                | ✓               | ✓                         | ✓                           |
| <b>Functionality</b>  |                             |                  |                 |                           |                             |
| Ability to fast forward or rewind any lesson  |                             | ✓                | ✓               | ✓                         | ✓                           |
| Ability to replay an entire lesson  |                             | ✓                | ✓               | ✓                         | ✓                           |
| Ability to view the lesson in "text-only" mode without audio and animated visuals   |                             | ✓                | ✓               | ✓                         | ✓                           |
| Ability to mute the audio   |                             | ✓                | ✓               | ✓                         | ✓                           |
| Ability to skip lessons and go back to any lesson at a later time   |                             | ✓                | ✓               | ✓                         | ✓                           |
| Set academic start date   |                             |                  | ✓               | ✓                         | ✓                           |
| Ability to record student assignments scores (Interactive Q&A, Worksheets and Exams)  |                             |                  | ✓               | ✓                         | ✓                           |
| Track student progress  |                             |                  | ✓               | ✓                         | ✓                           |
| Progress report in graphical view for easy interpretation   |                             |                  | ✓               | ✓                         | ✓                           |
| Print progress reports  |                             |                  | ✓               | ✓                         | ✓                           |
| Hide/Unhide worksheets answer key   |                             |                  | ✓               | ✓                         | ✓                           |
| Hide/Unhide step-by-step Worksheets Solution Guide  |                             |                  | ✓               | ✓                         | ✓                           |
| Hide/Unhide exams answer key  |                             |                  | ✓               | ✓                         | ✓                           |
| Hide/Unhide step-by-step Exams Solution Guide   |                             |                  | ✓               | ✓                         | ✓                           |
| View weekly progress report in "certificate-like" format  |                             |                  | ✓               | ✓                         | ✓                           |
| Print weekly progress report in "certificate-like" format   |                             |                  | ✓               | ✓                         | ✓                           |
| Automatically graded worksheets   |                             |                  |                 | ✓                         | ✓                           |
| Automatically graded exams  |                             |                  |                 | ✓                         | ✓                           |
| Generate additional worksheets  |                             |                  |                 | ✓                         | ✓                           |
| Generate additional exams   |                             |                  |                 | ✓                         | ✓                           |
| Review each question on completed worksheets with step-by-step solution   |                             |                  |                 | ✓                         | ✓                           |
| Review each question on completed exams with step-by-step solution  |                             |                  |                 | ✓                         | ✓                           |
| Print assignments that are completed online   |                             |                  |                 | ✓                         | ✓                           |
| Hide/unhide answer key and step-by-step solution when working on worksheets online  |                             |                  |                 | ✓                         | ✓                           |
| Internet based with 24/7 access from any computer with high speed internet access   |                             |                  |                 | ✓                         | ✓                           |
| 1-Month, 3-Month or a Full Year subscription  |                             |                  |                 | ✓                         | ✓                           |
| Change Grade Levels to fit Student's Learning Needs   |                             |                  |                 |                           | ✓                           |
| Access to All Grade Levels for each Student   |                             |                  |                 |                           | ✓                           |
| Economical options for 1 Student to 10 Students Package   |                             |                  |                 |                           | ✓                           |

# Grade Level: 1<sup>st</sup>

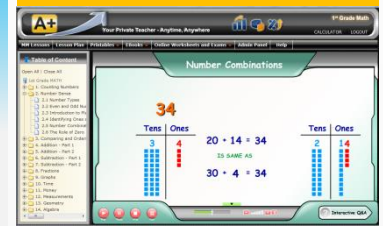
## Full Curriculum Software

### Product Description



The 1<sup>st</sup> Grade Math offers comprehensive course contents that meet and exceed state and national standards. It contains about 100 multimedia lessons that teach various math concepts using all three learning modalities (Audio, Visuals and Text) to increase understanding of concepts. It provides ample opportunity to practice problem solving in interactive mode with instant feedback and automatic re-teaching. It also offers worksheets and exams for additional practice to help master each math concept area.

### Online Edition



The following chapters are covered in the 1<sup>st</sup> grade Math:

- Chapter 1 Counting Numbers
- Chapter 2 Number Sense
- Chapter 3 Comparing and Ordering Numbers
- Chapter 4 Addition – Part 1
- Chapter 5 Addition – Part 2
- Chapter 6 Subtraction – Part 1
- Chapter 7 Subtraction – Part 2
- Chapter 8 Fractions
- Chapter 9 Graphs
- Chapter 10 Time
- Chapter 11 Money
- Chapter 12 Measurements
- Chapter 13 Geometry
- Chapter 14 Algebra

### Prices:

Premium Edition: \$124.99

Standard Edition: \$99.99

eBooks Edition: \$49.99

Online Edition: 1 Month: \$19.99

3 Months: \$49.99

Full Year: \$124.99

### Compatibility:

CD Software: Windows only (XP, Vista, Windows 7, Windows 8 or higher)

Online Edition: Windows, MAC, Linux (any major browsers ), Mobile Devices with Flash supported Browsers

# Grade Level: 1<sup>st</sup>

## Table of Contents

### Chapter 1 - Counting Numbers

- 1.1 Counting Numbers to 100
- 1.2 Reading and Writing Numbers to 100
- 1.3 Identifying Numbers to 100
- 1.4 Find the Missing Number
- 1.5 Reverse Counting
- 1.6 One More, One Less
- 1.7 Skip Counting by Two
- 1.8 Skip Counting by Five
- 1.9 Name the Number
- 1.10 Identifying Numbers past 100
- 1.11 Skip Counting by Ten
- 1.12 Skip Counting by Twenty-five

### Chapter 2 Number Sense

- 2.1 Number Types
- 2.2 Even and Odd Numbers
- 2.3 Introduction to Place Values
- 2.4 Identifying Ones and Tens in Numbers
- 2.5 Number Combinations
- 2.6 The Role of Zero

### Chapter 3 Comparing and Ordering Numbers

- 3.1 Comparing 1-Digit Numbers
- 3.2 Comparing 1 and 2-Digit Numbers
- 3.3 Comparing 2-Digit Numbers
- 3.4 Arranging 1-Digit Numbers in Ascending Order
- 3.5 Arranging 1-Digit Numbers in Descending Order
- 3.6 Arranging 1 and 2-Digit Numbers in Ascending Order (Optional)
- 3.7 Arranging 2-Digit Numbers in Ascending Order (Optional)
- 3.8 Arranging 1 and 2-Digit Numbers in Descending Order (Optional)
- 3.9 Arranging 2-Digit Numbers in Descending Order (Optional)

### Chapter 4 Addition – Part 1

- 4.1 Introduction to Addition
- 4.2 Addition Using Objects
- 4.3 Addition Using an Addition Table
- 4.4 Addition Using Regrouping
- 4.5 Find 10 More
- 4.6 Commutative Property of Addition
- 4.7 Associative Property of Addition
- 4.8 Additive Identity Property of Addition
- 4.9 True or False
- 4.10 Find the Missing Number

### Chapter 5 Addition – Part 2

- 5.1 Addition without Carrying Numbers (Optional)
- 5.2 Addition with Carrying Numbers
- 5.3 Adding a 2-digit Number and a 1-digit Number
- 5.4 Adding a 2-digit Number and a 2-digit Number
- 5.5 Adding 3 Number Sets

### Chapter 6 Subtraction – Part 1

- 6.1 Introduction to Subtraction
- 6.2 Subtraction Using Objects
- 6.3 Identity Property of Subtraction
- 6.4 Subtraction in Relation to Addition
- 6.5 Subtraction Using a Subtraction Table
- 6.6 Subtraction Using Regrouping
- 6.7 Find 10 Less
- 6.8 True or False
- 6.9 Find the Missing Number

### Chapter 7 Subtraction – Part 2

- 7.1 Subtraction without Borrowing Numbers (Optional)
- 7.2 Subtraction with Borrowing Numbers
- 7.3 Subtracting a 1-digit Number from a 2-digit Number
- 7.4 Subtracting a 2-digit Number from a 2-digit Number

### Chapter 8 Fractions

- 8.1 Introduction to Fractions
- 8.2 Identifying Fractions
- 8.3 Writing Fractions
- 8.4 Fractions Using Objects
- 8.5 Equivalent Fractions

### Chapter 9 Graphs

- 9.1 Introduction to Picture and Bar Graphs
- 9.2 Creating Picture Graphs
- 9.3 Interpreting Picture Graphs
- 9.4 Creating Bar Graphs
- 9.5 Interpreting Bar Graphs

### Chapter 10 Time

- 10.1 Days, Weeks, Months and Years
- 10.2 Days
- 10.3 Weeks
- 10.4 Months
- 10.5 Years
- 10.6 The Four Seasons
- 10.7 Seconds, Minutes and Hours
- 10.8 Digital and Analog Clocks
- 10.9 Telling Time to the Hour
- 10.10 Telling Time to the Half-hour
- 10.11 Telling Time to the Quarter-hour

### Chapter 11 Money

- 11.1 Pennies, Nickels, Dimes, Quarters
- 11.2 Converting a Nickel, Dime and Quarter to Pennies
- 11.3 Counting Coins up to One Dollar
- 11.4 Comparing Money

### Chapter 12 Measurements

- 12.1 Systems of Measurement
- 12.2 Length
- 12.3 Using Non-standard Units to Measure Length
- 12.4 Using Standard Units to Measure Length
- 12.5 Comparing Length
- 12.6 Weight
- 12.7 Temperature

### Chapter 13 Geometry

- 13.1 Introduction to Geometry
- 13.2 Naming Plane and Solid Shapes
- 13.3 Dimensions of Shapes
- 13.4 Vertices, Edges and Faces
- 13.5 Polygons
- 13.6 Identifying Plane and Solid shapes
- 13.7 Working with Shapes

### Chapter 14 Algebra

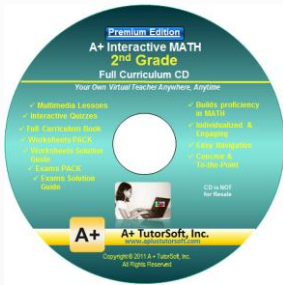
- 14.1 Recognizing and Predicting Patterns
- 14.2 Extending Patterns
- 14.3 Increasing Number Patterns
- 14.4 Decreasing Number Patterns
- 14.5 Balancing Equations
- 14.6 Find the Missing Number



# Grade Level: 2<sup>nd</sup>

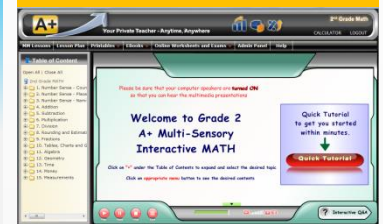
## Full Curriculum Software

### Product Description



The 2<sup>nd</sup> Grade Math offers comprehensive course contents that meet and exceed state and national standards. It contains about 125 multimedia lessons that teach various Math concepts using all three learning modalities (Audio, Visuals and Text) to increase understanding of concepts. It provides ample opportunity to practice problem solving in interactive mode with instant feedback and automatic re-teaching. It also offers printable worksheets and exams for additional practice to help master each Math subject area.

### Online Edition



The following chapters are covered in the 2<sup>nd</sup> grade Math:

- Chapter 1. Counting and Identifying Numbers
- Chapter 2. Place Value, Writing Numbers and Number Combinations
- Chapter 3. Naming, Comparing and Arranging Numbers
- Chapter 4. Addition
- Chapter 5. Subtraction
- Chapter 6. Multiplication
- Chapter 7. Division
- Chapter 8. Rounding and Estimating
- Chapter 9. Fractions
- Chapter 10. Tables, Charts and Graphs
- Chapter 11. Algebra
- Chapter 12. Geometry
- Chapter 13. Time
- Chapter 14. Money
- Chapter 15. Measurements

### Prices:

Premium Edition: \$124.99

Standard Edition: \$99.99

eBooks Edition: \$49.99

Online Edition: 1 Month: \$19.99

3 Months: \$49.99

Full Year: \$124.99

### Compatibility:

CD Software: Windows only (XP, Vista, Windows 7, Windows 8 or higher)

Online Edition: Windows, MAC, Linux (any major browsers), Mobile Devices with Flash supported Browsers

# Table of Contents

## Chapter 1. Counting and Identifying Numbers

- 1.1 Identifying and Counting Numbers to 100
- 1.2 Identifying and Counting Numbers past 100
- 1.3 Skip Counting by Two (up to 100)
- 1.4 Skip Counting by Five (up to 100)
- 1.5 Skip Counting by Ten (up to 100)
- 1.6 Skip Counting by Twenty-five (up to 1000)
- 1.7 Reverse Counting (starting at 100)
- 1.8 Reverse Skip Counting by Two (starting at 100)
- 1.9 Reverse Skip Counting by Five (starting at 100)
- 1.10 Reverse Skip Counting by Ten (starting at 100)

## Chapter 2 . Place Value, Writing Numbers and Number Combinations

- 2.1 Introduction to Place Values
- 2.2 Place Values for 3-digit Numbers
- 2.3 Writing Numbers Using Words (up to 100)
- 2.4 Write Numbers that are Given in Words (up to 100)
- 2.5 Number Combinations (up to 3 digits)

## Chapter 3. Naming, Comparing and Arranging Numbers

- 3.1 Name the Number
- 3.2 Comparing 2-Digit Numbers
- 3.3 Comparing 3-Digit Numbers
- 3.4 Arranging Numbers in Ascending Order
- 3.5 Arranging Numbers in Descending Order
- 3.6 Number Types
- 3.7 Even and Odd Numbers

## Chapter 4. Addition

- 4.1 Introduction to Addition
- 4.2 Addition Using Objects
- 4.3 Addition Using an Addition Table
- 4.4 Addition Using Regrouping
- 4.5 Addition without Carrying Numbers (Optional)
- 4.6 Addition with Carrying Numbers
- 4.7 Adding a 2-digit Number and a 1-digit Number
- 4.8 Adding a 2-digit Number and a 2-digit Number
- 4.9 Adding a 3-digit Number and a 2-digit Number
- 4.10 Adding a 3-digit Number and a 3-digit Number
- 4.11 Adding 3 Number Sets

## Chapter 5. Subtraction

- 5.1 Introduction to Subtraction
- 5.2 Subtraction in Relation to Addition
- 5.3 Subtraction Using Objects
- 5.4 Subtraction Using a Subtraction Table
- 5.5 Subtraction Using Regrouping
- 5.6 Subtraction without Borrowing Numbers (Optional)
- 5.7 Subtraction with Borrowing Numbers
- 5.8 Subtracting a 1-digit Number from a 2-digit Number
- 5.9 Subtracting a 1-digit Number from a 3-digit Number
- 5.10 Subtracting a 2-digit Number from a 2-digit Number
- 5.11 Subtracting a 2-digit Number from a 3-digit Number
- 5.12 Subtracting a 3-digit Number from a 3-digit Number

## Chapter 6. Multiplication

- 6.1 Introduction to Multiplication
- 6.2 Multiplication in Relation to Addition
- 6.3 Multiplication Using Objects
- 6.4 Multiplication Using a Multiplication Table
- 6.5 Multiplication Tricks
- 6.6 Multiplying a 2-digit Number by a 1-digit Number

## Chapter 7. Division

- 7.1 Introduction to Division
- 7.2 Division in Relation to Subtraction
- 7.3 Division in Relation to Multiplication
- 7.4 Division Using Objects
- 7.5 Division with a Remainder
- 7.6 Division with 0 and 1

## Chapter 8. Rounding and Estimating

- 8.1 Rounding to the Nearest 10 using a Number Line
- 8.2 Rounding to the Nearest 100 using a Number Line
- 8.3 Rounding without using a Number Line
- 8.4 Estimating with Addition
- 8.5 Estimating with Subtraction

## Chapter 9. Fractions

- 9.1 Introduction to Fractions
- 9.2 Identifying Fractions
- 9.3 Writing Fractions
- 9.4 Equivalent Fractions
- 9.5 Writing Equivalent Fractions
- 9.6 Comparing Fractions
- 9.7 Adding Fractions
- 9.8 Subtracting Fractions

## Chapter 10. Tables, Charts and Graphs

- 10.1 Introduction to Tables, Charts and Graphs
- 10.2 Creating Tally Charts
- 10.3 Interpreting Tally Charts
- 10.4 Creating Picture Graphs
- 10.5 Interpreting Picture Graphs
- 10.5 Creating Bar Graphs
- 10.6 Interpreting Bar Graphs

## Chapter 11. Algebra

- 11.1 Patterns
- 11.2 Arithmetic Number Patterns
- 11.3 Geometric Number Patterns
- 11.4 Find the Missing Number
- 11.5 Properties of Addition and Multiplication
- 11.6 Numeric Expressions and Equations
- 11.7 Writing Expressions and Equations
- 11.8 Completing Equations

## Chapter 12. Geometry

- 12.1 Basic 2-dimensional Geometric Shapes
- 12.2 Identifying 2-dimensional Shapes
- 12.3 Polygons
- 12.4 Basic 3-dimensional Geometric Shapes
- 12.5 Identifying 3-dimensional Shapes
- 12.6 Working with Shapes
- 12.7 Identifying Congruent 2-dimensional Shapes
- 12.8 Lines of Symmetry
- 12.9 Completing the Shape

## Chapter 13. Time

- 13.1 Days, Weeks, Months and Years
- 13.2 Days
- 13.3 Weeks
- 13.4 Months
- 13.5 Years
- 13.6 Converting Time: Days, Weeks, Months and Years

- 13.7 The Four Seasons
- 13.8 Seconds, Minutes and Hours
- 13.9 Digital and Analog Clocks
- 13.10 Telling Time to the Hour
- 13.11 Telling Time to the Half-hour
- 13.12 Telling Time to the Quarter-hour
- 13.13 Telling Time to 5 Minute Intervals
- 13.14 Converting Time: Seconds, Minutes and Hours
- 13.15 Duration of Time

## Chapter 14. Money

- 14.1 Pennies, Nickels, Dimes, Quarters
- 14.2 Converting Nickels, Dimes and Quarters to Pennies
- 14.3 Converting Pennies to Nickels, Dimes and Quarters
- 14.4 Counting Coins up to One Dollar
- 14.5 Counting Coins Past One Dollar
- 14.6 Dollars
- 14.7 Counting Dollars and Coins
- 14.8 Comparing Money

## Chapter 15. Measurements

- 15.1 Systems of Measurement
- 15.2 The U.S. System of Measurement
- 15.3 The Metric System of Measurement
- 15.4 Length
- 15.5 Perimeter and Area
- 15.6 Volume
- 15.7 Weight
- 15.8 Temperature

# Grade Level: 3<sup>rd</sup>

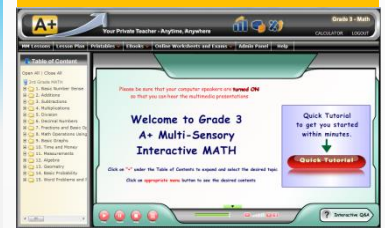
## Full Curriculum Software

### Product Description



The 3<sup>rd</sup> Grade Math offers comprehensive course contents that meet and exceed state and national standards. It contains about 130 multimedia lessons that teach various Math concepts using all three learning modalities (Audio, Visuals and Text) to increase understanding of concepts. It provides ample opportunity to practice problem solving in interactive mode with instant feedback and automatic re-teaching. It also offers printable worksheets and exams for additional practice to help master each Math subject area.

### Online Edition



The following chapters are covered in the 3<sup>rd</sup> grade Math:

- Chapter 1. Basic Number Sense
- Chapter 2. Additions
- Chapter 3. Subtractions
- Chapter 4. Multiplications
- Chapter 5. Division
- Chapter 6. Decimal Numbers
- Chapter 7. Fractions and Basic Operations with Fractions
- Chapter 8. Math Operations Using a Calculator
- Chapter 9. Basic Graphs
- Chapter 10. Time and Money
- Chapter 11. Measurements
- Chapter 12. Algebra
- Chapter 13. Geometry
- Chapter 14. Basic Probability
- Chapter 15. Word Problems and Problem Solving.

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Premium Edition: \$124.99

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eBooks Edition: \$49.99

Online Edition: 1 Month: \$19.99

3 Months: \$49.99

Full Year: \$124.99

### Compatibility:

CD Software: Windows only (XP, Vista, Windows 7, Windows 8 or higher)

Online Edition: Windows, MAC, Linux (any major browsers ), Mobile Devices with Flash supported Browsers

## Table of Contents

### Chapter 1: Basic Number Sense

- 1.1 The Numbering System and Place Values
- 1.2 Ways to Name Numbers
- 1.3 Number Forms
- 1.4 Defining and Grouping Whole Numbers
- 1.5 Reading and Writing Whole Numbers
- 1.6 Number Combinations
- 1.7 Comparing Numbers
- 1.8 Ordering Numbers
- 1.9 Odd and Even Numbers
- 1.10 Rounding Numbers
- 1.11 Word Problems

### Chapter 2: Addition

- 2.1 Review of Addition
- 2.2 Properties of Addition
- 2.3 Adding a 2-digit Number and a 2-digit Number
- 2.4 Adding a 3-digit Number and a 2-digit Number
- 2.5 Adding a 4-digit Number and a 2-digit Number
- 2.6 Adding a 5-digit Number and a 2-digit Number
- 2.7 Adding a 3-digit Number and a 3-digit Number
- 2.8 Adding a 4-digit Number and a 3-digit Number
- 2.9 Adding a 5-digit Number and a 3-digit Number
- 2.10 Adding a 5-digit Number and a 4-digit Number
- 2.11 Estimating Addition with Large Numbers
- 2.12 Adding 3 Number Sets

### Chapter 3: Subtraction

- 3.1 Review of Subtraction
- 3.2 Subtraction in Relation to Addition
- 3.3 Properties of Subtraction
- 3.4 Subtracting a 1-digit Number from a 2-digit Number
- 3.5 Subtraction Involving Borrowed Numbers
- 3.6 Subtracting a 2-digit Number from a 2-digit Number
- 3.7 Subtracting a 2-digit Number from a 3-digit Number
- 3.8 Subtracting a 2-digit Number from a 4-digit Number
- 3.9 Subtracting a 3-digit Number from a 3-digit Number
- 3.10 Subtracting a 3-digit Number from a 4-digit Number
- 3.11 Subtracting a 4-digit Number from a 4-digit Number
- 3.12 Estimating Subtraction with Large Numbers

### Chapter 4: Multiplication

- 4.1 Multiplication in Relation to Addition
- 4.2 Properties of Multiplication
- 4.3 Multiplication Table
- 4.4 Multiplication Tricks
- 4.5 Multiplying a 1-digit Number and a 1-digit Number
- 4.6 Multiplying a 2-digit Number and a 1-digit Number
- 4.7 Multiplying a 3-digit Number and a 1-digit Number
- 4.8 Multiplying a 2-digit Number and a 2-digit Number
- 4.9 Multiplying a 3-digit Number and a 2-digit Number
- 4.10 Multiplication with Three Numbers

### Chapter 5: Division

- 5.1 Division Facts and Terms
- 5.2 Division in Relation to Subtraction
- 5.3 Division in Relation to Multiplication
- 5.4 Basic Properties of Division
- 5.5 Division Table
- 5.6 Dividing Using the Division Bracket
- 5.7 Division with a Remainder
- 5.8 Division of a 1-digit Number by another 1-digit Number
- 5.9 Division of a 2-digit Number by a 1-digit Number

- 5.10 Division of a 2-digit Number by another 2-digit Number

- 5.11 Division of a 3-digit Number by a 1-digit Number

- 5.12 Division of a 3-digit Number by a 2-digit Number

### Chapter 6: Decimal Numbers

- 6.1 Introduction to Decimals Numbers
- 6.2 Displaying Decimal Numbers
- 6.3 Counting Money with Decimals
- 6.4 Adding Decimal Numbers
- 6.5 Subtracting Decimal Numbers

### Chapter 7: Fractions and Basic Operations with Fractions

- 7.1 Introduction to Fractions
- 7.2 Identifying Fractions
- 7.3 Equivalent Fractions
- 7.4 Comparing Fractions
- 7.5 Adding Fractions
- 7.6 Subtracting Fractions

### Chapter 8: Math Operations Using a Calculator

- 8.1 Introduction to Calculators
- 8.2 Solving Addition Problems using a Calculator
- 8.3 Adding Large Numbers using a Calculator
- 8.4 Adding Three Sets of Numbers using a Calculator
- 8.5 Adding Decimal Numbers using a Calculators
- 8.6 Solving Subtraction Problems using a Calculator
- 8.7 Subtracting Decimal Numbers using a Calculator
- 8.8 Solving Multiplication Problems using a Calculator
- 8.9 Solving Division Problems using a Calculator

### Chapter 9: Basic Graphs

- 9.1 Introduction to Graphs
- 9.2 Circle Graphs
- 9.3 Creating Circle Graphs
- 9.4 Interpreting Circle Graphs
- 9.5 Bar Graphs
- 9.6 Creating Bar Graphs
- 9.7 Interpreting Bar Graphs

### Chapter 10: Time and Money

- 10.1 Review of Time
- 10.2 Telling Time
- 10.3 Converting Digital and Analog Time
- 10.4 Converting Units of Time
- 10.5 Adding Different Units of Time
- 10.6 Finding Elapsed Time
- 10.7 Adding Elapsed Time
- 10.8 Counting Money
- 10.9 Converting Money into Decimal Form
- 10.10 Comparing Money
- 10.11 Making Change

### Chapter 11: Measurements

- 11.1 Systems of Measurement
- 11.2 Weight
- 11.3 Temperature
- 11.4 Length
- 11.5 Measuring Length
- 11.6 Perimeter
- 11.7 Area
- 11.8 Volume

### Chapter 12: Algebra

- 12.1 Numeric Expressions and Equations
- 12.2 Number Comparisons using Symbols
- 12.3 Completing Number Sentences with Addition
- 12.4 Comparing Number Expressions with Addition
- 12.5 Completing Number Sentences with Subtraction
- 12.6 Comparing Number Expressions with Subtraction
- 12.7 Patterns using Shapes and Symbols
- 12.8 Number Patterns using Addition and Subtraction
- 12.9 Number Patterns using Multiplication and Division
- 12.10 Unknown Variables in Mathematical Equations
- 12.11 The Number Line

### Chapter 13: Geometry

- 13.1 Basic Geometry Review
- 13.2 Points, Lines and Line Segments
- 13.3 Measuring Line Segments
- 13.4 Parallel, Intersecting and Perpendicular Lines
- 13.5 Angles
- 13.6 Triangles
- 13.7 Quadrilaterals
- 13.8 Polygons
- 13.9 Solid Figures

### Chapter 14: Basic Probability

- 14.1 Introduction to Probability
- 14.2 Probability Based on a Given Event or Data Set

### Chapter 15: Word Problems and Problem Solving

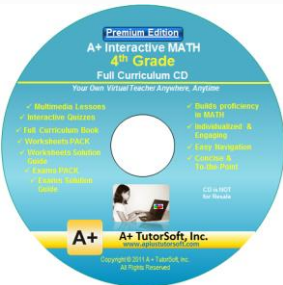
- 15.1 Introduction to Word Problems
- 15.2 Age Word Problems
- 15.3 Wage Calculation Word Problems
- 15.4 Family Budgeting Word Problems and
- 15.5 Word Problems involving Mathematical Statements



# Grade Level: 4<sup>th</sup>

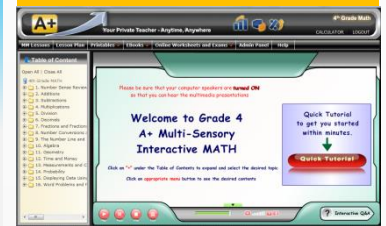
## Full Curriculum Software

### Product Description



The 4<sup>th</sup> Grade Math offers comprehensive course contents that meet and exceed state and national standards. It contains about 143 multimedia lessons that teach various Math concepts using all three learning modalities (Audio, Visuals and Text) to increase understanding of concepts. It provides ample opportunity to practice problem solving in interactive mode with instant feedback and automatic re-teaching. It also offers printable worksheets and exams for additional practice to help master each Math subject area.

### Online Edition



The following chapters are covered in the 4<sup>th</sup> grade Math:

- Chapter 1. Number Sense Review
- Chapter 2. Additions
- Chapter 3. Subtractions
- Chapter 4. Multiplications
- Chapter 5. Divisions
- Chapter 6. Decimals
- Chapter 7. Fractions and Fractions Operations
- Chapter 8. Number Conversions and Mixed Fractions Operations
- Chapter 9. The Number Line and Number Comparisons
- Chapter 10. Algebra
- Chapter 11. Geometry
- Chapter 12. Time and Money
- Chapter 13. Measurements and Conversions
- Chapter 14. Probability
- Chapter 15. Displaying Data Using Graphs
- Chapter 16. Word Problems and Problem Solving

### Prices:

Premium Edition: \$124.99

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eBooks Edition: \$49.99

Online Edition: 1 Month: \$19.99

3 Months: \$49.99

Full Year: \$124.99

### Compatibility:

CD Software: Windows only (XP, Vista, Windows 7, Windows 8 or higher)

Online Edition: Windows, MAC, Linux (any major browsers), Mobile Devices with Flash supported Browsers

# Table of Contents

## Chapter 1. Number Sense Review

- 1.1 Place Values and Expanded Form
- 1.2 Defining and Grouping Whole Numbers
- 1.3 Reading and Writing Whole Numbers
- 1.4 Number Combinations
- 1.5 Comparing & Ordering Whole Numbers
- 1.6 Even and Odd Numbers
- 1.7 Rounding Whole Numbers

## Chapter 2. Addition

- 2.1 Properties of Addition
- 2.2 Adding a 3-digit Number and a 3-digit Number
- 2.3 Adding a 4-digit Number and a 3-digit Number
- 2.4 Adding a 4-digit Number and a 4-digit Number
- 2.5 Adding a 5-digit Number and a 4-digit Number
- 2.6 Adding a 5-digit Number and a 5-digit Number
- 2.7 Adding a 6-digit Number and a 5-digit Number
- 2.8 Adding a 6-digit Number and a 6-digit Number
- 2.9 Adding a 7-digit Number and a 6-digit Number
- 2.10 Estimating a Sum by Rounding
- 2.11 Adding 3 Sets of Numbers

## Chapter 3. Subtraction

- 3.1 Subtraction in Relation to Addition
- 3.2 Properties of Subtraction
- 3.3 Subtraction Involving Borrowed Numbers
- 3.4 Subtracting a 2-digit Number from a 4-digit Number
- 3.5 Subtracting a 3-digit Number from a 3-digit Number
- 3.6 Subtracting a 3-digit Number from a 4-digit Number
- 3.7 Subtracting a 4-digit Number from a 4-digit Number
- 3.8 Subtracting a 4-digit Number from a 5-digit Number
- 3.9 Subtracting a 5-digit Number from a 5-digit Number
- 3.10 Estimating Subtraction with Large Numbers

## 4. Multiplication

- 4.1 Multiplication in Relation to Addition
- 4.2 Properties of Multiplication
- 4.3 Multiplication Tables
- 4.4 Multiplication Tricks
- 4.5 Multiplying a 3-digit Number and a 1-digit Number
- 4.6 Multiplying a 2-digit Number and a 2-digit Number
- 4.7 Multiplying a 3-digit Number and a 2-digit Number
- 4.8 Multiplying a 4-digit Number and a 2-digit Number
- 4.9 Multiplying a 5-digit Number and a 2-digit Number
- 4.10 Multiplying a 3-digit Number and a 3-digit Number
- 4.11 Multiplication with Three Numbers

## Chapter 5. Division

- 5.1 Division Facts and Terms
- 5.2 Division in Relation to Subtraction
- 5.3 Division in Relation to Multiplication
- 5.4 Basic Properties of Division
- 5.5 Dividing Using the Division Bracket
- 5.6 Division with a Remainder
- 5.7 Dividing a 2-digit Number by a 1-digit Number
- 5.8 Dividing a 2-digit Number by a 2-digit Number
- 5.9 Dividing a 3-digit Number by a 1-digit Number
- 5.10 Dividing a 3-digit Number by a 2-digit Number
- 5.11 Dividing a 4-digit Number by a 1-digit Number
- 5.12 Dividing a 4-digit Number by a 2-digit Number

## Chapter 6. Decimals

- 6.1 Decimal Numbers Review
- 6.2 Displaying Decimal Numbers
- 6.3 Adding Decimal Numbers
- 6.4 Subtracting Decimal Numbers

- 6.5 Multiplying Decimal Numbers
- 6.6 Counting Money with Decimals
- 6.7 Rounding with Decimals
- 6.8 Word Problems with Decimals

## Chapter 7. Fractions and Fractions Operations

- 7.1 Fractions Review
- 7.2 Equivalent Fractions
- 7.3 The Greatest Common Factor
- 7.4 Least Common Multiple
- 7.5 Least Common Denominator
- 7.6 Simplifying Fractions
- 7.7 Adding Fractions with Like Denominators
- 7.8 Subtracting Fractions with Like Denominators
- 7.9 Adding Fractions with Unlike Denominators
- 7.10 Subtracting Fractions with Unlike Denominators
- 7.11 Multiplying Fractions

## Chapter 8. Number Conversions and Mixed Fractions Operations

- 8.1 Types of Fractions
- 8.2 Converting Whole Numbers to Improper Fractions
- 8.3 Converting Decimal Numbers into Fractions
- 8.4 Converting Fractions into Decimal Numbers
- 8.5 Converting Mixed Fractions to Improper Fractions
- 8.6 Converting Improper Fractions to Mixed Fractions
- 8.7 Adding Mixed Fractions
- 8.8 Subtracting Mixed Fractions

## Chapter 9. The Number Line and Number Comparisons

- 9.1 The Number Line
- 9.2 Plotting Numbers on the Number Line
- 9.3 Comparing Fractions
- 9.4 Comparing Decimal Numbers
- 9.5 Comparing Fractions and Decimal Numbers

## Chapter 10. Algebra

- 10.1 Number Patterns using Addition and Subtraction
- 10.2 Number Patterns using Multiplication and Division
- 10.3 Patterns with Shapes and Symbols
- 10.4 Variables, Expressions and Equations
- 10.5 Writing Expressions and Equations
- 10.6 Inequalities using Variables
- 10.7 Formulas
- 10.8 Order of Operations
- 10.9 Evaluating Expressions
- 10.10 Equations with One Variable

## 11. Geometry

- 11.1 Points, Lines and Line Segments
- 11.2 Parallel, Intersecting and Perpendicular Lines
- 11.3 Angles
- 11.4 Measuring Angles
- 11.5 Triangles
- 11.6 Quadrilaterals
- 11.7 Polygons
- 11.8 Lines of Symmetry
- 11.9 Solid Figures

## 12. Time and Money

- 12.1 Review of Time
- 12.2 Telling Time
- 12.3 Converting Digital and Analog Time
- 12.4 Converting Units of Time
- 12.5 Adding Different Units of Time
- 12.6 Finding Elapsed Time
- 12.7 Adding Elapsed Time
- 12.8 Counting Money
- 12.9 Converting Money into Decimal Form
- 12.10 Comparing Money
- 12.11 Making Change

## 13. Measurements and Conversions

- 13.1 Systems of Measurement
- 13.2 Length
- 13.3 Weight (Mass)
- 13.4 Temperature
- 13.5 Rate and Distance
- 13.6 Perimeter
- 13.7 Area
- 13.8 Area of a Square
- 13.8 Area of a Rectangle
- 13.9 Area of a Triangle
- 13.10 Volume & Liquid Volume
- 13.11 Volume of a Cube
- 13.12 Volume of a Rectangular Box

## Chapter 14. Probability

- 14.1 Introduction to Probability
- 14.2 Probability Based on a Given Event or Data Set

## Chapter 15. Displaying Data Using Graphs

- 15.1 Introduction to Graphs
- 15.2 Circle Graphs
- 15.3 Displaying Data Using Circle Graphs
- 15.4 Interpreting Circle Graphs
- 15.5 Bar Graphs
- 15.6 Displaying Data Using Bar Graphs
- 15.7 Interpreting Bar Graphs
- 15.8 Line Graphs
- 15.9 Displaying Data Using Line Graphs
- 15.10 Interpreting Line Graphs

## Chapter 16. Word Problems and Problem Solving

- 16.1 Introduction to Word Problems
- 16.2 Age Word Problems
- 16.3 Wage Calculation Word Problems
- 16.4 Family Budgeting Word Problems
- 16.5 Word Problems involving Mathematical Statements

# Grade Level: 5<sup>th</sup>

## Full Curriculum Software

### Product Description



The 5<sup>th</sup> Grade Math offers comprehensive course contents that meet and exceed state and national standards. It contains about 138 multimedia lessons that teach various Math concepts using all three learning modalities (Audio, Visuals and Text) to increase understanding of concepts. It provides ample opportunity to practice problem solving in interactive mode with instant feedback and automatic re-teaching. It also offers printable worksheets and exams for additional practice to help master each Math subject area.

### Online Edition



The following chapters are covered in the 5<sup>th</sup> grade Math:

- Chapter 1. Basics Numbers
- Chapter 2. Basic Number Operations Review
- Chapter 3. Fractions
- Chapter 4. Operations with Fractions
- Chapter 5. Number Comparison
- Chapter 6. Percentages
- Chapter 7. Math in Everyday Life
- Chapter 8. Measurements and Conversions
- Chapter 9. Geometry - Angles
- Chapter 10. Geometry - Basic Shapes and Solids
- Chapter 11. Geometry - Working with Shapes and Solids
- Chapter 12. Algebra - Variables, Equations and Expressions
- Chapter 13. Algebraic Operations
- Chapter 14. Algebra – The Coordinate Plane and First Quadrant
- Chapter 15. Graphs - Collecting and Displaying Data
- Chapter 16. Probability

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Premium Edition: \$124.99

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eBooks Edition: \$49.99

Online Edition: 1 Month: \$19.99

3 Months: \$49.99

Full Year: \$124.99

### Compatibility:

CD Software: Windows only (XP, Vista, Windows 7, Windows 8 or higher)

Online Edition: Windows, MAC, Linux (any major browsers ), Mobile Devices with Flash supported Browsers

# Table of Contents

## Chapter 1. Basic Numbers

- 1.1 Place Values and Expanded Form
- 1.2 Whole Numbers
- 1.3 Decimal Numbers
- 1.4 Prime Numbers
- 1.5 Composite Numbers
- 1.6 The Number Line
- 1.7 Positive and Negative Integers
- 1.8 Real Numbers
- 1.9 Absolute Value
- 1.10 Rounding and Estimating

## Chapter 2. Basic Number Operations Review

### 2.1 Addition

- 2.1.1 Addition with 3-Digit Numbers
- 2.1.2 Addition with 4-Digit Numbers
- 2.1.3 Addition with 5-Digit Numbers
- 2.1.4 Addition with 6-Digit Numbers
- 2.1.5 Addition with 7-Digit Numbers
- 2.1.6 Addition with Equations
- 2.1.7 Adding Three Sets of Numbers
- 2.1.8 Addition with Decimals
- 2.1.9 Addition of Whole Numbers and Decimals
- 2.1.10 Addition with Negative Numbers

### 2.2 Subtraction

- 2.2.1 Subtraction with 3-Digit Numbers
- 2.2.2 Subtraction with 4-Digit Numbers
- 2.2.3 Subtraction with 5-Digit Numbers
- 2.2.4 Subtraction with 6-Digit Numbers
- 2.2.5 Subtraction with Equations
- 2.2.6 Subtraction with Decimals
- 2.2.7 Subtraction Involving Whole Numbers and Decimals
- 2.2.8 Subtraction with Negative Numbers

### 2.3 Multiplication

- 2.3.1 Multiplying a 2-Digit Number by a 1-Digit Number
- 2.3.2 Multiplying a 3-Digit Number by a 1-Digit Number
- 2.3.3 Multiplying a 4-Digit Number by a 1-Digit Number
- 2.3.4 Multiplying a 2-Digit Number by a 2-Digit Number
- 2.3.5 Multiplying a 3-Digit Number by a 2-Digit Number
- 2.3.6 Multiplying a 4-Digit Number by a 2-Digit Number
- 2.3.7 Multiplying Whole Numbers and Decimal Numbers
- 2.3.8 Multiplying Two Decimal Numbers
- 2.3.9 Multiplication with Equations

### 2.4 Division

- 2.4.1 Understanding Division and Division Terms
- 2.4.2 Division without a Remainder
- 2.4.3 Division with a Remainder
- 2.4.4 Dividing a 3-Digit Number by a 2-Digit Number
- 2.4.5 Dividing a 4-Digit Number by a 2-Digit Number
- 2.4.6 Dividing a 4-Digit Number by a 3-Digit Number
- 2.4.7 Dividing a 5-Digit Number by a 2-Digit Number
- 2.4.8 Dividing a 5-Digit Number by a 3-Digit Number
- 2.4.9 Division with Decimal Numbers
- 2.4.10 Dividing Two Decimal Numbers

## Chapter 3. Fractions

- 3.1 Understanding Fractions
- 3.2 Equivalent Fractions
- 3.3 The Greatest Common Factor

- 3.4 The Least Common Multiple
- 3.5 The Least Common Denominator
- 3.6 Mixed Fractions
- 3.7 Converting Mixed Fractions to Improper Fractions
- 3.8 Converting Improper Fractions to Mixed Fractions

## Chapter 4. Operations with Fractions

- 4.1 Reducing Fractions
- 4.2 Adding Fractions
- 4.3 Adding Fractions and Whole Numbers
- 4.4 Adding Mixed Fractions
- 4.5 Multiplying Fractions
- 4.6 Multiplying Fractions and Whole Numbers
- 4.7 Subtracting Fractions
- 4.8 Subtracting Fractions and Whole Numbers
- 4.9 Subtracting Mixed Fractions
- 4.10 Dividing Fractions
- 4.11 Dividing Fractions and Whole Numbers
- 4.12 Converting Fractions into Decimal Numbers
- 4.13 Converting Decimal Numbers into Fractions

## Chapter 5. Number Comparison

- 5.1 The Number Line
- 5.2 Comparing Whole Numbers
- 5.3 Ordering Whole Numbers
- 5.4 Comparing Decimal Numbers
- 5.5 Ordering Decimal Numbers
- 5.6 Comparing Fractions
- 5.7 Ordering Fractions
- 5.8 Comparing Mixed Fractions
- 5.9 Comparing Whole Numbers and Fractions

## Chapter 6. Percentages

- 6.1 Introduction to Percentages
- 6.2 Converting a Percent into a Fraction
- 6.3 Converting a Percent into a Decimal Number
- 6.4 Converting a Decimal Number into a Percent
- 6.5 Converting a Fraction into a Percent
- 6.6 Finding the Percentage of a Number
- 6.7 Determining the Percentage When Given Two Numbers

## Chapter 7. Math in Everyday Life

- 7.1 Salary Calculations
- 7.2 Number Games
- 7.3 Money Games
- 7.4 Family Budgeting
- 7.5 Age Comparisons
- 7.6 Calculating Commission
- 7.7 Calculating Sale Price
- 7.8 Interest Rates

## Chapter 8. Measurements and Conversions

- 8.1 Time
- 8.2 Systems of Measurement
- 8.3 Mass and Weight
- 8.4 Length
- 8.5 Temperature
- 8.6 Volume
- 8.7 Rate, Time and Distance Traveled

## Chapter 9. Geometry – Angles

- 9.1 Angles
- 9.2 Measuring Angles

- 9.3 Types of Angles

## Chapter 10. Geometry - Basic Shapes and Solids

- 10.1 Triangles
- 10.2 Quadrilaterals
- 10.3 Rectangles and Rhombuses
- 10.4 Polygons
- 10.5 Circles
- 10.6 Cubes
- 10.7 Pyramids
- 10.8 Cylinders
- 10.9 Rectangular Prisms

## Chapter 11. Geometry - Working with Shapes and Solids

- 11.1 Perimeter and Area of Triangles
- 11.2 Perimeter and Area of Squares and Rectangles
- 11.3 Perimeter and Area of Parallelograms and Trapezoids
- 11.4 Circumference and Area of Circles
- 11.5 Surface Area and Volume of Cubes
- 11.6 Surface Area and Volume of Rectangular Prisms

## Chapter 12. Algebra - Variables, Expressions and Equations

- 12.1 Variables
- 12.2 Expressions and Equations
- 12.3 Writing Expressions and Equations
- 12.4 Word problems

## Chapter 13. Algebraic Operations

- 13.1 Like and Unlike Terms
- 13.2 The Addition Operation with Variables
- 13.3 The Subtraction Operation with Variables
- 13.4 The Multiplication Operation with Variables
- 13.5 The Division Operation with Variables
- 13.6 Canceling Variables
- 13.7 Evaluating Expressions with Variables

## Chapter 14. Algebra - The Coordinate Plane and First Quadrant

- 14.1 Introduction to the Coordinate Plane
- 14.2 Working with First Quadrant
- 14.3 Connecting Points in the First Quadrant

## Chapter 15. Graphs - Collecting and Displaying Data

- 15.1 Line Graphs
- 15.2 Bar Graphs
- 15.3 Double Bar Graphs
- 15.4 Circle (Pie) Graphs
- 15.5 Surveys and Experiments

## Chapter 16. Probability

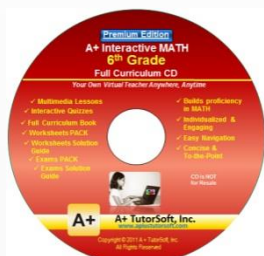
- 16.1 Introduction to Probability
- 16.2 Making Predictions with Probability



# Grade Level: 6<sup>th</sup>

## Full Curriculum Software

### Product Description



The 6<sup>th</sup> Grade Math offers comprehensive course contents that meet and exceed state and national standards. It contains about 129 multimedia lessons that teach various Math concepts using all three learning modalities (Audio, Visuals and Text) to increase understanding of concepts. It provides ample opportunity to practice problem solving in interactive mode with instant feedback and automatic re-teaching. It also offers printable worksheets and exams for additional practice to help master each Math subject area.

### Online Edition



The following chapters are covered in the 6<sup>th</sup> grade Math:

- Chapter 1. Fractions, Decimals Numbers and Percents
- Chapter 2. Positive and Negative Numbers
- Chapter 3. The Number Line and Absolute Value
- Chapter 4. Ratios and Proportions
- Chapter 5. Exponents , Roots and Scientific Notation
- Chapter 6. Algebra - Variables
- Chapter 7. Algebra - Real Numbers
- Chapter 8. Algebra - The Coordinate Plane and Graphs
- Chapter 9. Algebra - Linear Equations and Formulas
- Chapter 10. Geometry - Angles and Polygons
- Chapter 11. Geometry – Circles and Solid Shapes
- Chapter 12. Measurements and Conversions
- Chapter 13. Graphs – Collecting and Displaying Data
- Chapter 14. Basic Statistics
- Chapter 15. Probability

### Prices:

Premium Edition: \$124.99

Standard Edition: \$99.99

eBooks Edition: \$49.99

Online Edition: 1 Month: \$19.99

3 Months: \$49.99

Full Year: \$124.99

### Compatibility:

CD Software: Windows only (XP, Vista, Windows 7, Windows 8 or higher)

Online Edition: Windows, MAC, Linux (any major browsers ), Mobile Devices with Flash supported Browsers

## Table of Contents

**Chapter 1. Fractions, Decimal Numbers and Percents**  
**1.1 Converting Fractions, Decimal Numbers & Percents**

- 1.1.1 Fractions Review
- 1.1.2 Decimal Numbers Review
- 1.1.3 Percentages Review
- 1.1.4 Converting Fractions into Decimal Numbers
- 1.1.5 Converting Decimal Numbers into Fractions
- 1.1.6 Converting Decimal Numbers into Percents
- 1.1.7 Converting Percents into Decimal Numbers
- 1.1.8 Converting Percents into Fractions
- 1.1.9 Converting Fractions to Percents

**1.2 Operations with Fractions and Decimal Numbers**

- 1.2.1 The Greatest Common Factor
- 1.2.2 The Least Common Multiple
- 1.2.3 The Least Common Denominator
- 1.2.4 Adding Fractions
- 1.2.5 Adding Decimal Numbers
- 1.2.6 Subtracting Fractions
- 1.2.7 Subtracting Decimal Numbers
- 1.2.8 Multiplying Fractions
- 1.2.9 Multiplying Decimal Numbers
- 1.2.10 Dividing Fractions
- 1.2.11 Dividing Decimal Numbers

**1.3 Operations with Mixed Numbers**

- 1.3.1 Mixed Numbers Review
- 1.3.2 Converting Mixed Numbers into Fractions
- 1.3.3 Converting Fractions into Mixed Numbers
- 1.3.4 Adding Mixed Numbers
- 1.3.5 Subtracting Mixed Numbers

**1.4 Percents, Fractions, and Decimals in Everyday Life**

- 1.4.1 Working with Percents in Everyday Life
- 1.4.2 Working with Fractions in Everyday Life
- 1.4.3 Working with Decimal Numbers in Everyday Life

**Chapter 2. Positive and Negative Numbers**

- 2.1 Positive and Negative Numbers Review
- 2.2 Adding Positive and Negative Numbers
- 2.3 Subtracting Positive and Negative Numbers
- 2.4 Multiplying Positive and Negative Numbers
- 2.5 Dividing Positive and Negative Numbers

**Chapter 3. The Number Line and Absolute Value**

- 3.1 Number Line Review
- 3.2 Comparing and Ordering Numbers on a Number Line
- 3.3 Comparing and Ordering Fractions on a Number Line
- 3.4 Comparing and Ordering Decimals on a Number Line
- 3.5 Absolute Value Review
- 3.6 Finding the Absolute Value
- 3.7 Finding the Distance using the Absolute Value

**Chapter 4 Ratios and Proportions**

- 4.1 Introduction to Ratios
- 4.2 Equivalent Ratios
- 4.3 Ratios in Simplest Form
- 4.4 Finding Ratios in Simplified Form
- 4.5 Introduction to Proportions
- 4.6 Finding the Missing Number in a Proportion

**Chapter 5. Exponents, Roots and Scientific Notation**

- 5.1 Introduction to Exponents
- 5.2 Basic Rules of Exponents
- 5.3 Laws of Exponents
- 5.4 Negative Exponents
- 5.5 Squares and Square Roots

- 5.6 Cubes and Cube Roots
- 5.7 Simplifying Square Roots
- 5.8 Fractional Exponents
- 5.9 Simplifying Exponential Expressions
- 5.10 Evaluating Exponential Expressions
- 5.11 Powers of 10
- 5.12 Understanding Scientific Notation

**Chapter 6. Algebra - Variables**

- 6.1 Variables Review
- 6.2 Like and Unlike Terms
- 6.3 Canceling Variables
- 6.4 Addition with Variables
- 6.5 Subtraction with Variables
- 6.6 Multiplication with Variables
- 6.7 Division with Variables
- 6.8 Expressions and Equations
- 6.9 Writing Expressions and Equations
- 6.10 Word Problems with Variables
- 6.11 Evaluating Expressions with Variables

**Chapter 7. Algebra - Real Numbers**

- 7.1 Real Numbers Review
- 7.2 Properties of Real Numbers
- 7.3 Order of Operations

**Chapter 8. Algebra - The Coordinate Plane**

- 8.1 The Coordinate Plane
- 8.2 Graphing Points on a Coordinate Plane
- 8.3 Graphing Linear Relations
- 8.4 Graphing Linear Relations using a t-Table
- 8.5 Making Predictions from Linear Patterns

**Chapter 9. Algebra - Linear Equations and Formulas**

- 9.1 Introduction to Linear Equations
- 9.2 Writing Equations and Formulas
- 9.3 Problem Solving using Formulas
- 9.4 Linear Equations with One Variable
- 9.5 Writing Linear Equations with One Variable
- 9.6 Solving Linear Equations with One Variable
- 9.7 Linear Inequalities with One Variable
- 9.8 Solving Linear Inequalities with One Variable

**Chapter 10. Geometry - Angles and Polygons**

- 10.1 Angles Review
- 10.2 Polygons Review
- 10.3 Complementary Angles
- 10.4 Supplementary Angles
- 10.5 Vertical Angles
- 10.6 Triangles
- 10.7 Quadrilaterals
- 10.8 Finding Missing Angles - Part A
- 10.9 Finding Missing Angles - Part B

**Chapter 11. Geometry - Circles and Solid Shapes**

- 11.1 The Circle
- 11.2 Circumference of a Circle
- 11.3 Area of a Circle
- 11.4 Spheres
- 11.5 Surface Area of a Sphere
- 11.6 Volume of a Sphere
- 11.7 Cylinders
- 11.8 Surface Area of a Cylinder
- 11.9 Volume of a Cylinder

- 11.10 Rectangular and Triangular Prisms
- 11.11 Surface Area of Rectangular and Triangular Prisms
- 11.12 Volume of Rectangular and Triangular Prisms

**Chapter 12. Measurements and Conversions**

- 12.1 Systems of Measurement
- 12.2 Metric Numbers
- 12.3 Time
- 12.4 Mass and Weight
- 12.5 Length
- 12.6 Temperature
- 12.7 Volume
- 12.8 Rate of Speed
- 12.9 The Rate, Time and Distance Traveled
- 12.10 Most Common Conversion Factors

**Chapter 13. Graphs - Collecting and Displaying Data**

- 13.1 Circle (Pie) Graphs
- 13.2 Bar Graphs
- 13.3 Line Graphs
- 13.4 Stem and Leaf Plots
- 13.5 Choosing the Right Graph to Use
- 13.6 Collecting Data through Surveys and Experiments

**Chapter 14. Basic Statistics**

- 14.1 Mean, Median and Mode
- 14.2 Statistical Range
- 14.3 The Basic Counting Principle

**Chapter 15. Probability**

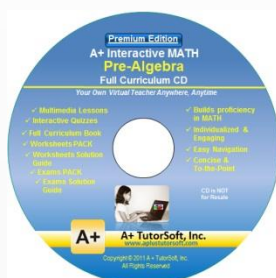
- 15.1 Probability Review
- 15.2 Making Predictions with Probability
- 15.3 Factorials
- 15.4 Permutations and Combinations

**A+**

# Grade Level: 7<sup>th</sup> (Pre-Algebra)

## Full Curriculum Software

### Product Description



The 7<sup>th</sup> Grade (Pre-Algebra) Math offers comprehensive course contents that meet and exceed state and national standards. It contains about 117 multimedia lessons that teach various Math concepts using all three learning modalities (Audio, Visuals and Text) to increase understanding of concepts. It provides ample opportunity to practice problem solving in interactive mode with instant feedback and automatic re-teaching. It also offers printable worksheets and exams for additional practice to help master each Math subject area.

### Online Edition



The following chapters are covered in the 7<sup>th</sup> grade (Pre-Algebra) Math:

- Chapter 1. Numbers Review
- Chapter 2. Fractions and Operations with Fractions
- Chapter 3. Real Numbers
- Chapter 4. Powers and Roots
- Chapter 5. Exponents
- Chapter 6. Variables
- Chapter 7. Expressions, Equations and Formulas
- Chapter 8. The Coordinate Plane
- Chapter 9. Linear Equations and Formulas
- Chapter 10. Linear Equations and Slope
- Chapter 11. Quadratic Equations and Parabola s
- Chapter 12. Linear Inequalities
- Chapter 13. Polynomials
- Chapter 14. Factoring
- Chapter 15. Pythagorean Theorem and Triangles
- Chapter 16. Introduction to Trigonometric Functions.

### Prices:

Premium Edition: \$124.99

Standard Edition: \$99.99

eBooks Edition: \$49.99

Online Edition: 1 Month: \$19.99

3 Months: \$49.99

Full Year: \$124.99

### Compatibility:

CD Software: Windows only (XP, Vista, Windows 7, Windows 8 or higher)

Online Edition: Windows, MAC, Linux (any major browsers ), Mobile Devices with Flash supported Browsers

# A+

# Grade Level: 7<sup>th</sup> (Pre-Algebra)

## Table of Contents

### Chapter 1. Numbers Review

- 1.1 Whole Numbers
- 1.2 Integers
- 1.3 Positive and Negative Integers
- 1.4 Rational and Irrational Numbers
- 1.5 Decimal Numbers
- 1.6 Real Numbers
- 1.7 Prime Numbers
- 1.8 Percentages

### Chapter 2. Fractions and Operations with Fractions

- 2.1 Understanding Fractions
- 2.2 Equivalent Fractions
- 2.3 The Greatest Common Factor
- 2.4 The Least Common Multiple
- 2.5 The Least Common Denominator
- 2.6 Reducing Fractions
- 2.7 Adding Fractions
- 2.8 Adding Fractions and Whole Numbers
- 2.9 Adding Mixed Fractions
- 2.10 Multiplying Fractions
- 2.11 Multiplying Fractions and Whole Numbers
- 2.12 Subtracting Fractions
- 2.13 Subtracting Fractions and Whole Numbers
- 2.14 Subtracting Mixed Fractions
- 2.15 Dividing Fractions
- 2.16 Dividing Fractions and Whole Numbers

### Chapter 3. Real Numbers

- 3.1 Real Numbers
- 3.2 The Number Line
- 3.3 Comparing Real Numbers
- 3.4 Properties of Real Numbers
- 3.5 Adding Real Numbers
- 3.6 Subtracting Real Numbers
- 3.7 Multiplying Real Numbers
- 3.8 Dividing Real Numbers
- 3.9 Order of Operations
- 3.10 Mixed Operations with Real Numbers

### Chapter 4. Powers and Roots

- 4.1 Squares and Square Roots
- 4.2 Cubes and Cube Roots
- 4.3 Power of  $n$  and  $n$ th Roots
- 4.4 Powers of 10
- 4.5 Simplifying Square Roots
- 4.6 Simplifying Cube Roots
- 4.7 Scientific Notation

### Chapter 5. Exponents

- 5.1 Understanding Exponents
- 5.2 Basic Rules of Exponents
- 5.3 Laws of Exponents
- 5.4 Expressions Raised to a Power
- 5.5 Fractional Exponents
- 5.6 Negative Exponents
- 5.7 Multiplying & Dividing with Negative Exponents
- 5.8 Simplifying Exponential Expressions
- 5.9 Evaluating Exponential Expressions

### Chapter 6. Variables

- 6.1 Variables
- 6.2 Like and Unlike Terms
- 6.3 Canceling Variables

### 6.4 The Addition Operation with Variables

### 6.5 The Subtraction Operation with Variables

### 6.6 The Multiplication Operation with Variables

### 6.7 The Division Operation with Variables

### Chapter 7. Expressions, Equations and Formulas

- 7.1 Expressions and Equations
- 7.2 Writing Expressions and Equations
- 7.3 Writing Equations and Formulas
- 7.4 Problem Solving using Formulas
- 7.5 Comparing Real Number Expressions
- 7.6 Simplifying Expressions
- 7.7 Evaluating Expressions
- 7.8 Simplifying Radical Expressions
- 7.9 Word Problems

### Chapter 8. The Coordinate Plane

- 8.1 The Coordinate Plane
- 8.2 Graphing Points on a Coordinate Plane
- 8.3 Graphing Linear Relations
- 8.4 Graphing Linear Relations using a t-Table
- 8.5 Making Predictions from Linear Patterns

### Chapter 9. Linear Equations and Formulas

- 9.1 Introduction to Linear Equations
- 9.2 Linear Equations with One Variable
- 9.3 Writing Linear Equations with One Variable
- 9.4 Solving Linear Equations with One Variable
- 9.5 Word Problems with Linear Equations

### Chapter 10. Linear Equations and Slope

- 10.1 Introduction to the Slope of a Straight Line
- 10.2 Finding Slope When Given 2 Points
- 10.3 Slope-Intercept Form of a Linear Equation
- 10.4 Writing Linear Equations When Given 2 points
- 10.5 Writing Linear Equations When Given Slope & a Point
- 10.6 Using Linear Equations to Find Parallel Lines

### Chapter 11. Quadratic Equations and Parabolas

- 11.1 Quadratic Equations
- 11.2 Graphing Quadratic Equations
- 11.3 Introduction to Parabolas
- 11.4 Identifying Equations and Graphing Parabolas
- 11.5 Identifying Linear and Non-linear Equations

### Chapter 12. Linear Inequalities

- 12.1 Linear Inequalities with One Variable
- 12.2 Solving Linear Inequalities with One Variable
- 12.3 Solving Linear Inequalities by Addition & Subtraction
- 12.4 Solving Linear Inequalities by Multiplication & Division
- 12.5 Solving Multi-Step Linear Inequalities

### Chapter 13. Polynomials

- 13.1 Monomials and Degree of Monomials
- 13.2 Multiplying Monomials
- 13.3 Polynomials and Degree of Polynomials
- 13.4 Adding and Subtracting Polynomials
- 13.5 Multiplying a Polynomial by a Monomial
- 13.6 Multiplying Polynomials
- 13.7 Special Binomial Products

### Chapter 14. Factoring

- 14.1 Factors and Prime Factorization
- 14.2 Greatest Common Factor of Monomials

### 14.3 Factoring using the Distributive Property

- 14.4 Factoring Polynomials using Grouping
- 14.5 Factoring Trinomials:  $x^2 + bx + c$
- 14.6 Factoring Trinomials:  $ax^2 + bx + c$
- 14.7 Factoring the Difference of Squares
- 14.8 Simplifying Algebraic Ratios
- 14.9 Solving Algebraic Proportions

### Chapter 15. Pythagorean Theorem and Triangles

- 15.1 Triangles and their Properties
- 15.2 The Pythagorean Theorem
- 15.3 The Distance Formula

### Chapter 16. Introduction to Trigonometric Functions

- 16.1 Primary Trigonometric Functions
- 16.2 Secondary Trigonometric Functions
- 16.3 Measuring Angles in Degrees and Radians
- 16.4 Trigonometric Functions of Special Angles ( $\theta$ )
- 16.5 Trigonometric Functions on the Coordinate Plane
- 16.6 Pythagorean Identities

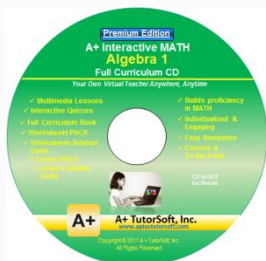


A+

# Grade Level: 8<sup>th</sup> (Algebra 1)

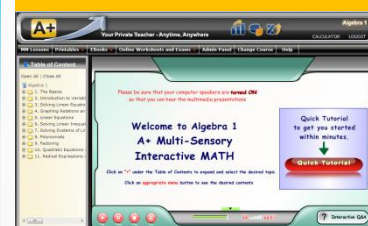
## Full Curriculum Software

### Product Description



The 8<sup>th</sup> Grade (Algebra 1) Math offers comprehensive course contents that meet and exceed state and national standards. It contains about 134 multimedia lessons that teach various Math concepts using all three learning modalities (Audio, Visuals and Text) to increase understanding of concepts. It provides ample opportunity to practice problem solving in interactive mode with instant feedback and automatic re-teaching. It also offers printable worksheets and exams for additional practice to help master each Math subject area.

### Online Edition



The following chapters are covered in the 8<sup>th</sup> grade (Algebra 1) Math:

- Chapter 1 Basics Review
  - Chapter 1.1 Understanding the Numbers
  - Chapter 1.2. Fractions
  - Chapter 1.3. Basic Real Number Operations
  - Chapter 1.4. Exponents
  - Chapter 1.5. Rates and Dimensional Analysis
- Chapter 2. Variables and Operations with Variables
- Chapter 3. Expressions, Equations and Formulas
- Chapter 4. Graphing Relations and Functions
- Chapter 5. Linear Equations
- Chapter 6. Solving Linear Inequalities
- Chapter 7. Solving Systems of Linear Equations and Inequalities
- Chapter 8. Polynomials
- Chapter 9. Factoring
- Chapter 10. Quadratic Equations and Functions
- Chapter 11. Radical Expressions and Triangles.

### Prices:

Premium Edition: \$124.99

Standard Edition: \$99.99

eBooks Edition: \$49.99

Online Edition: 1 Month: \$19.99

3 Months: \$49.99

Full Year: \$124.99

### Compatibility:

CD Software: Windows only (XP, Vista, Windows 7, Windows 8 or higher)

Online Edition: Windows, MAC, Linux (any major browsers ), Mobile Devices with Flash supported Browsers

# A+

# Grade Level: 8<sup>th</sup> (Algebra 1)

## Table of Contents

### Chapter 1. Basics Review

#### 1.1. Understanding the Numbers

- 1.1.1. Whole Numbers
- 1.1.2. Integers
- 1.1.3. Positive and Negative Integers
- 1.1.4. Rational and Irrational Numbers
- 1.1.5. Decimal Numbers
- 1.1.6. Real Numbers
- 1.1.7. Prime Numbers
- 1.1.8. Percentages

#### 1.2. Fractions

- 1.2.1. Defining Fractions
- 1.2.2. Reducing Fractions
- 1.2.3. Adding Fractions
- 1.2.4. Adding Fractions and Whole Numbers
- 1.2.5. Multiplying Fractions
- 1.2.6. Multiplying fractions and Whole Numbers
- 1.2.7. Subtracting Fractions
- 1.2.8. Subtracting Fractions and Whole Numbers
- 1.2.9. Dividing Fractions
- 1.2.10. Dividing Fractions and Whole Numbers
- 1.2.11. Adding Mixed Fractions
- 1.2.12. Subtracting Mixed Fractions

#### 1.3. Basic Real Number Operations

- 1.3.1. Comparing Real Numbers
- 1.3.2. Properties of Real Numbers
- 1.3.3. Adding Real Numbers
- 1.3.4. Subtracting Real Numbers
- 1.3.5. Multiplying Real Numbers
- 1.3.6. Dividing Real Numbers
- 1.3.7. Order of Operations
- 1.3.8. Mixed Operations with Real Numbers

#### 1.4 Exponents

- 1.4.1. Understanding Exponents
- 1.4.2. Basic Rules of Exponents
- 1.4.3. Laws of Exponents
- 1.4.4. Expressions Raised to a Power
- 1.4.5. Fractional Exponents
- 1.4.6. Negative Exponents
- 1.4.7. Multiplying & Dividing with Negative Exponents
- 1.4.8. Simplifying Exponential Expressions
- 1.4.9. Evaluating Exponential Expressions

#### 1.5 Rates and Dimensional Analysis

- 1.5.1 Ratios
- 1.5.2 Rates and Unit Rates
- 1.5.3 Proportions
- 1.5.4 Dimensional Analysis

### Chapter 2. Variables and Operations with Variables

- 2.1. Defining Variables
- 2.2. Like and Unlike Terms
- 2.3. Canceling Variables
- 2.4. The Addition Operation with Variables
- 2.5. The Subtraction Operation with Variables
- 2.6. The Multiplication Operation with Variables
- 2.7. The Division Operation with Variables
- 2.8. Mixed Operations with Variables
- 2.9. Fractions with Variables

### Chapter 3. Expressions, Equations and Formulas

- 3.1. Expressions and Equations
- 3.2. Writing Expressions and Equations

- 3.3. Simplifying Expressions
- 3.4. Evaluating Expressions
- 3.5. Solving Equations with Addition & Subtraction
- 3.6. Solving Equations with Multiplication & Division
- 3.7. Solving Multi-step Equations
- 3.8. Solving Equations with a Variable on Both Sides
- 3.9. Writing Equations and Formulas
- 3.10. Word Problems

### Chapter 4. Graphing Relations and Functions

- 4.1. The Number Line and the Coordinate Plane
- 4.2. Transformations on the Coordinate Plane
- 4.3. Relations
- 4.4. Relations as Linear Equations
- 4.5. Graphing Linear Equations
- 4.6. Functions
- 4.7. Arithmetic Sequences
- 4.8. Writing Equations from Linear Patterns
- 4.9. Interpreting Graphs Representing Given Situations
- 4.10. Sketching Graphs Representing Given Situations

### Chapter 5. Linear Equations

- 5.1. Introduction to the Slope of a Straight Line
- 5.2. Finding Slope When Given 2 Points
- 5.3. Slope-Intercept Form of Linear Equations
- 5.4. Writing Linear Equations When Given Slope & a Point
- 5.5. Writing Equations in Point-Slope Form
- 5.6. Graphing Linear Equations using the Slope-Intercept Method
- 5.7. Using Linear Equations to Find Parallel Lines
- 5.8. Using Linear Equations to Find Perpendicular Lines

### Chapter 6. Solving Linear Inequalities

- 6.1. Introduction to Linear Inequalities
- 6.2. Solving Linear Inequalities by Addition & Subtraction
- 6.3. Solving Linear Inequalities by Multiplication & Division
- 6.4. Solving Multi-Step Inequalities
- 6.5. Solving Compound Inequalities
- 6.6. Solving Absolute Value Equations and Inequalities
- 6.7. Graphing Inequalities using Slope-Intercept Method
- 6.8. Solving Linear Inequalities using Solution Sets

### Chapter 7. Solving Systems of Linear Equations and Inequalities

- 7.1. Solving Systems of Linear Equations by Graphing
- 7.2. Solving Systems of Linear Equations by Substitution
- 7.3. Solving Systems of Linear Equations by Elimination Part 1
- 7.4. Solving Systems of Linear Equations by Elimination Part 2
- 7.5. Solving Systems of Linear Inequalities by Graphing

### Chapter 8. Polynomials

- 8.1. Monomials and Degree of Monomials
- 8.2. Multiplying Monomials
- 8.3. Dividing Monomials
- 8.4. Polynomials and Degree of Polynomials
- 8.5. Adding and Subtracting Polynomials
- 8.6. Multiplying a Polynomial by a Monomial
- 8.7. Multiplying Polynomials
- 8.8. Special Binomial Products

- 8.9. The Difference of Square
- 8.10. Roots and Powers of Monomials
- 8.11. Dividing a Polynomial by a Monomial

### Chapter 9. Factoring

- 9.1. Factors and Prime Factorization
- 9.2. Greatest Common Factor of Monomials
- 9.3. Factoring using the Distributive Property
- 9.4. Factoring Polynomials using Grouping
- 9.5. Factoring Trinomials:  $x^2 + bx + c$
- 9.6. Factoring Trinomials:  $ax^2 + bx + c$
- 9.7. Factoring the Difference of Squares
- 9.8. Perfect Square Trinomials
- 9.9. Solving Quadratic Equations by Factoring
- 9.10. Simplifying Algebraic Ratios
- 9.11. Solving Algebraic Proportions

### Chapter 10. Quadratic Equations and Functions

- 10.1. Quadratic Equations
- 10.2. Solving Quadratic Equations using the Square Root Method
- 10.3. Solving Quadratic Equations by Completing the Square
- 10.4. Solving Quadratic Equations using the Quadratic Formula
- 10.5. Graphing Quadratic Equations
- 10.6. Solving Quadratic Equations by Graphing
- 10.7. The Discriminant
- 10.8. The Sum and the Product of the Solutions
- 10.9. Solving Quadratic Equations with Radicals
- 10.10. Solving Word Problems with Quadratic Equations

### Chapter 11. Radical Expressions and Triangles

- 11.1. Squares and Square Roots
- 11.2. Simplifying Radical Expressions
- 11.3. Adding and Subtracting Radical Expressions
- 11.4. Multiplying Radical Expressions
- 11.5. Dividing Radical Expressions
- 11.6. Pythagorean's Theorem
- 11.7. The Distance Formula
- 11.8. Similar Triangles
- 11.9. Cube Roots
- 11.10. Rational Exponents
- 11.11. Comparing Real Number Expressions

A+

# Supplemental Math Software CDs

## Overview

The supplemental software CDs cover a logical group of specific math concepts from several grade levels. They are designed to assist those students who may have gaps in particular areas of Math, such as fractions. The supplemental CDs offer in-depth review of those Math concepts from a very basic to a more advanced level. This gives students necessary review of those math concepts to build a strong foundation.

Each supplemental software CD includes,

- ✓ Colorful, engaging, concise, and to-the-point lessons with **all three learning modalities** (Audio, Visuals and Text) to increase understanding of concepts.
- ✓ **Interactive Review** helps identify and close learning gaps immediately as it **automatically re-teaches concepts** with audio, visuals and text. It enhances student learning by allowing them to practice problem solving with **real-time feedback and step-by-step instructions**.
- ✓ **Curriculum Book** provides easy access to lessons in eBook format.
- ✓ Printable **worksheets and exams** allow students flexibility to practice problem solving in a more “traditional way” with pen & paper.
- ✓ Worksheets Solution Guide provides **step-by-step solutions** to each printable worksheet.
- ✓ Exams Solution Guide provides **step-by-step solutions** to each printable exam.

## Highlights

- ✓ Easy to use and self-paced
- ✓ Engaging and Fun
- ✓ Comprehensive contents for a specific group of Math concepts
- ✓ Automatic re-teaching
- ✓ Saves your valuable time
- ✓ Establishes strong foundation and challenges students

### Prices:

Each Title : \$21.99

### Compatibility:

CD Software: Windows only (XP, Vista, Windows 7, Windows 8 or higher)



# Supplemental Math Software CDs

## Naming, Comparing and Arranging Numbers

*The **Naming, Comparing and Arranging Numbers** supplemental software CD includes,*

- 1.1 Identifying and Counting Numbers to 100
- 1.2 Identifying and Counting Numbers past 100
- 1.3 Name the Number
- 1.4 Number Types
- 1.5 Even and Odd Numbers
- 1.6 Comparing 1-Digit Numbers
- 1.7 Comparing 1 and 2-Digit Numbers
- 1.8 Comparing 2-Digit Numbers
- 1.9 Comparing 3-Digit Numbers
- 1.10 Arranging 1-Digit Numbers in Ascending Order
- 1.11 Arranging 1-Digit Numbers in Descending Order
- 1.12 Arranging 1 and 2-Digit Numbers in Ascending Order
- 1.13 Arranging 2-Digit Numbers in Ascending Order
- 1.14 Arranging 1 and 2-Digit Numbers in Descending Order
- 1.15 Arranging 2-Digit Numbers in Descending Order
- 1.16 Arranging Numbers in Ascending Order
- 1.17 Arranging Numbers in Descending Order

## Counting and Identifying Numbers

*The **Counting and Identifying Numbers** supplemental software CD includes,*

- 1.1 Counting Numbers to 100
- 1.2 Reading and Writing Numbers to 100
- 1.3 Identifying Numbers to 100
- 1.4 Find the Missing Number
- 1.5 One More, One Less
- 1.6 Skip Counting by Two
- 1.7 Skip Counting by Five
- 1.8 Name the Number
- 1.9 Identifying Numbers past 100
- 1.10 Skip Counting by Ten
- 1.11 Skip Counting by Twenty-five
- 1.12 Reverse Counting (starting at 100)
- 1.13 Reverse Skip Counting by Two (starting at 100)
- 1.14 Reverse Skip Counting by Five (starting at 100)
- 1.15 Reverse Skip Counting by Ten (starting at 100)

## Place Value and Number Combinations

*The **Place Value and Number Combinations** supplemental software CD includes,*

- |   |   |
|---|---|
| 1.1 Identifying and Counting Numbers to 100   | 1.9 Identifying Ones and Tens in Numbers    |
| 1.2 Identifying and Counting Numbers past 100 | 1.10 Place Values for 3-digit Numbers       |
| 1.3 One More, One Less                        | 1.11 Number Combinations (up to 3 digits)   |
| 1.4 Find 10 More                              | 1.12 The Role of Zero                       |
| 1.5 Number Types                              | 1.13 Place Value for Larger Numbers         |
| 1.6 Number Forms                              | 1.14 Number Combinations for Larger Numbers |
| 1.7 Even and Odd Numbers                      | 1.15 Defining and Grouping Whole Numbers    |
| 1.8 Introduction to Place Values              |   |



# A+

## Supplemental Math Software CDs

### Early Elementary Addition

The **Early Elementary Addition** supplemental software CD includes,

- 1.1 Introduction to Addition
- 1.2 Addition Using Objects
- 1.3 Addition Using an Addition Table
- 1.4 Addition Using Regrouping
- 1.5 Find 10 More
- 1.6 Commutative Property of Addition
- 1.7 Associative Property of Addition
- 1.8 Additive Identity Property of Addition
- 1.9 True or False
- 1.10 Find the Missing Number
- 1.11 Addition with Carrying Numbers
- 1.12 Adding a 2-digit Number and a 1-digit Number
- 1.13 Adding a 2-digit Number and a 2-digit Number
- 1.14 Adding a 3-digit Number and a 2-digit Number
- 1.15 Adding a 3-digit Number and a 3-digit Number
- 1.16 Adding 3 Number Sets

### Early Elementary Subtraction

The **Early Elementary Subtraction** supplemental software CD includes,

- 1.1 Introduction to Subtraction
- 1.2 Subtraction Using Objects
- 1.3 Identity Property of Subtraction
- 1.4 Subtraction in Relation to Addition
- 1.5 Subtraction Using a Subtraction Table
- 1.6 Subtraction Using Regrouping
- 1.7 Find 10 Less
- 1.8 True or False
- 1.9 Find the Missing Number
- 1.10 Subtraction with Borrowing Numbers
- 1.11 Subtracting a 1-digit Number from a 2-digit Number
- 1.12 Subtracting a 2-digit Number from a 2-digit Number
- 1.13 Subtracting a 1-digit Number from a 3-digit Number
- 1.14 Subtracting a 2-digit Number from a 3-digit Number
- 1.15 Subtracting a 3-digit Number from a 3-digit Number

### Elementary and Middle School Multiplication

The **Elementary and Middle School Multiplication** supplemental software CD includes,

- 1.1 Introduction to Multiplication
- 1.2 Multiplication in Relation to Addition
- 1.3 Multiplication Using Objects
- 1.4 Multiplication Using a Multiplication Table
- 1.5 Multiplication Tricks
- 1.6 Multiplying a 2-digit Number by a 1-digit Number
- 1.7 Multiplying a 3-digit Number and a 1-digit Number
- 1.8 Multiplying a 2-digit Number and a 2-digit Number
- 1.9 Multiplying a 3-digit Number and a 2-digit Number
- 1.10 Multiplying a 4-digit Number and a 2-digit Number
- 1.11 Multiplying a 5-digit Number and a 2-digit Number
- 1.12 Multiplying a 3-digit Number and a 3-digit Number
- 1.13 Multiplication with Three Numbers

# A+

## Supplemental Math Software CDs

### Elementary and Middle School Division

*The **Elementary and Middle School Division** supplemental software CD includes,*

- 1.1 Introduction to Division
- 1.2 Division in Relation to Subtraction
- 1.3 Division in Relation to Multiplication
- 1.4 Division Using Objects
- 1.5 Division with a Remainder - Part 1
- 1.6 Division with 0 and 1
- 1.7 Dividing Using the Division Bracket
- 1.8 Division with a Remainder - Part 2
- 1.9 Division of a 1-digit Number by another 1-digit Number
- 1.10 Division of a 2-digit Number by a 1-digit Number
- 1.11 Division of a 2-digit Number by another 2-digit Number
- 1.12 Division of a 3-digit Number by a 1-digit Number
- 1.13 Division of a 3-digit Number by a 2-digit Number
- 1.14 Dividing a 4-digit Number by a 1-digit Number
- 1.15 Dividing a 4-digit Number by a 2-digit Number

### Tables, Charts and Graphs

*The **Tables, Charts and Graphs** supplemental software CD includes,*

- 1.1 Introduction to Tables, Charts and Graphs
- 1.2 Creating Tally Charts
- 1.3 Interpreting Tally Charts
- 1.4 Creating Picture Graphs
- 1.5 Interpreting Picture Graphs
- 1.6 Creating Bar Graphs
- 1.7 Interpreting Bar Graphs
- 1.8 Circle Graphs
- 1.9 Creating Circle Graphs
- 1.10 Interpreting Circle Graphs
- 1.11 Line Graphs
- 1.12 Displaying Data Using Line Graphs
- 1.13 Interpreting Line Graphs
- 1.14 Double Bar Graphs
- 1.15 Surveys and Experiments
- 1.16 Stem and Leaf Plots
- 1.17 Choosing the Right Graph to Use

### Early Elementary Fractions

*The **Early Elementary Fractions** supplemental software CD includes,*

- 1.1 Introduction to Fractions
- 1.2 Identifying Fractions
- 1.3 Writing Fractions
- 1.4 Fractions Using Objects
- 1.5 Equivalent Fractions - Part 1
- 1.6 Equivalent Fractions - Part 2
- 1.7 Writing Equivalent Fractions
- 1.8 Comparing Fractions
- 1.9 Adding Fractions
- 1.10 Subtracting Fractions

### Elementary Geometry

*The **Elementary Geometry** supplemental software CD includes,*

- 1.1 Introduction to Geometry
- 1.2 Naming Plane and Solid Shapes
- 1.3 Dimensions of Shapes
- 1.4 Vertices, Edges and Faces
- 1.5 Basic 2-dimensional Geometric Shapes
- 1.6 Identifying 2-dimensional Shapes
- 1.7 Basic 3-dimensional Geometric Shapes
- 1.8 Identifying 3-dimensional Shapes
- 1.9 Polygons
- 1.10 Working with Shapes
- 1.11 Identifying Congruent 2-dimensional Shapes
- 1.12 Lines of Symmetry
- 1.13 Completing the Shape
- 1.14 Points, Lines and Line Segments
- 1.15 Measuring Line Segments
- 1.16 Parallel, Intersecting and Perpendicular Lines
- 1.17 Angles
- 1.18 Triangles
- 1.19 Quadrilaterals

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## Supplemental Math Software CDs

### Geometry

The **Geometry** supplemental software CD includes,

- 1.1 Basic Geometry Review
- 1.2 Points, Lines and Line Segments
- 1.3 Measuring Line Segments
- 1.4 Parallel, Intersecting and Perpendicular Lines
- 1.5 Lines of Symmetry
- 1.6 Angles
- 1.7 Measuring Angles
- 1.8 Types of Angles
- 1.9 Complementary Angles
- 1.10 Supplementary Angles
- 1.11 Vertical Angles
- 1.12 Finding Missing Angles - Part A
- 1.13 Finding Missing Angles - Part B
- 1.14 Triangles
- 1.15 Quadrilaterals
- 1.16 Rectangles and Rhombuses
- 1.17 Polygons
- 1.18 Cubes
- 1.19 Pyramids
- 1.20 Perimeter and Area of Triangles
- 1.21 Perimeter and Area of Squares and Rectangles
- 1.22 Perimeter and Area of Parallelograms and Trapezoids
- 1.23 Surface Area and Volume of Cubes
- 1.24 The Circle
- 1.25 Circumference of a Circle
- 1.26 Area of a Circle
- 1.27 Spheres
- 1.28 Surface Area of a Sphere
- 1.29 Volume of a Sphere
- 1.30 Cylinders
- 1.31 Surface Area of a Cylinder
- 1.32 Volume of a Cylinder
- 1.33 Rectangular and Triangular Prisms
- 1.34 Surface Area of Rectangular and Triangular Prisms
- 1.35 Volume of Rectangular and Triangular Prisms

### Elementary Algebra

The **Elementary Algebra** supplemental software CD includes,

- 1.1 Recognizing and Predicting Patterns
- 1.2 Extending Patterns
- 1.3 Increasing Number Patterns
- 1.4 Decreasing Number Patterns
- 1.5 Balancing Equations
- 1.6 Arithmetic Number Patterns
- 1.7 Geometric Number Patterns
- 1.8 Find the Missing Number
- 1.9 Properties of Addition and Multiplication
- 1.10 Completing Equations
- 1.11 Numeric Expressions and Equations
- 1.12 Number Comparisons using Symbols
- 1.13 Completing Number Sentences with Addition
- 1.14 Comparing Number Expressions with Addition
- 1.15 Completing Number Sentences with Subtraction
- 1.16 Comparing Number Expressions with Subtraction
- 1.17 Number Patterns using Addition and Subtraction
- 1.18 Number Patterns using Multiplication and Division
- 1.19 Unknown Variables in Mathematical Equations
- 1.20 The Number Line
- 1.21 Variables, Expressions and Equations
- 1.22 Writing Expressions and Equations
- 1.23 Inequalities using Variables
- 1.24 Formulas
- 1.25 Order of Operations
- 1.26 Evaluating Expressions
- 1.27 Equations with One Variable

# A+

## Supplemental Math Software CDs

### Advanced Fractions

The **Advanced Fractions** supplemental software CD includes,

- 1.1 Fractions Review
- 1.2 Identifying Fractions
- 1.3 Equivalent Fractions
- 1.4 The Greatest Common Factor
- 1.5 The Least Common Multiple
- 1.6 The Least Common Denominator
- 1.7 Adding Fractions with Like Denominators
- 1.8 Subtracting Fractions with Like Denominators
- 1.9 Adding Fractions with Unlike Denominators
- 1.10 Subtracting Fractions with Unlike Denominators
- 1.11 Types of Fractions
- 1.12 Mixed Fractions
- 1.13 Reducing Fractions
- 1.14 Converting Whole Numbers to Improper Fractions
- 1.15 Converting Mixed Fractions to Improper Fractions
- 1.16 Converting Improper Fractions to Mixed Fractions
- 1.17 Converting Fractions into Decimal Numbers
- 1.18 Converting Decimal Numbers into Fractions
- 1.19 Adding Fractions and Whole Numbers
- 1.20 Adding Mixed Fractions
- 1.21 Multiplying Fractions
- 1.22 Multiplying Fractions and Whole Numbers
- 1.23 Subtracting Fractions and Whole Numbers
- 1.24 Subtracting Mixed Fractions
- 1.25 Dividing Fractions
- 1.26 Dividing Fractions and Whole Numbers

### Decimal Numbers

The **Decimal Numbers** supplemental software CD includes,

- 1.1 Introduction to Decimals Numbers
- 1.2 Displaying Decimal Numbers
- 1.3 Counting Money with Decimals
- 1.4 Addition with Decimals
- 1.5 Addition of Whole Numbers and Decimals
- 1.6 Subtraction with Decimals
- 1.7 Subtraction Involving Whole Numbers and Decimals
- 1.8 Multiplying Whole Numbers and Decimal Numbers
- 1.9 Multiplying Two Decimal Numbers
- 1.10 Division with Decimal Numbers
- 1.11 Dividing Two Decimal Numbers
- 1.12 Comparing Decimal Numbers
- 1.13 Ordering Decimal Numbers
- 1.14 Converting Fractions into Decimal Numbers
- 1.15 Converting Decimal Numbers into Fractions
- 1.16 Converting a Decimal Number into a Percent
- 1.17 Converting a Percent into a Decimal Number
- 1.18 Converting a Fraction into a Percent
- 1.19 Money Games
- 1.20 Rounding with Decimals
- 1.21 Word Problems with Decimals





# Supplemental Math Software CDs

## Percentages

The **Percentages** supplemental software CD includes,

- 1.1 Introduction to Percentages
- 1.2 Converting a Percent into a Fraction
- 1.3 Converting a Percent into a Decimal Number
- 1.4 Converting a Decimal Number into a Percent
- 1.5 Converting a Fraction into a Percent
- 1.6 Finding the Percentage of a Number
- 1.7 Determining the Percentage When Given Two Numbers
- 1.8 Salary Calculations
- 1.9 Family Budgeting
- 1.10 Calculating Commission
- 1.11 Calculating Sale Price
- 1.12 Interest Rates
- 1.13 Working with Percents in Everyday Life

## Money

The **Money** supplemental software CD includes,

- 1.1 Pennies, Nickels, Dimes, Quarters
- 1.2 Converting Nickels, Dimes and Quarters to Pennies
- 1.3 Converting Pennies to Nickels, Dimes and Quarters
- 1.4 Counting Coins up to One Dollar
- 1.5 Counting Coins Past One Dollar
- 1.6 Dollars
- 1.7 Counting Dollars and Coins
- 1.8 Comparing Money - Part 1
- 1.9 Counting Money - Part 2
- 1.10 Converting Money into Decimal Form
- 1.11 Comparing Money
- 1.12 Making Change
- 1.13 Salary Calculations
- 1.14 Money Games
- 1.15 Family Budgeting
- 1.16 Calculating Commission
- 1.17 Calculating Sale Price
- 1.18 Interest Rates

## Time

The **Time** supplemental software CD includes,

- 1.1 Days, Weeks, Months and Years
- 1.2 Days
- 1.3 Weeks
- 1.4 Months
- 1.5 Years
- 1.6 Converting Time: Days, Weeks, Months and Years
- 1.7 The Four Seasons
- 1.8 Seconds, Minutes and Hours
- 1.9 Digital and Analog Clocks
- 1.10 Telling Time to the Hour
- 1.11 Telling Time to the Half-hour
- 1.12 Telling Time to the Quarter-hour
- 1.13 Telling Time to 5 Minute Intervals
- 1.14 Converting Time: Seconds, Minutes and Hours
- 1.15 Duration of Time
- 1.16 Converting Digital and Analog Time
- 1.17 Converting Units of Time
- 1.18 Adding Different Units of Time
- 1.19 Finding Elapsed Time
- 1.20 Adding Elapsed Time

## Ratios, Proportions, Probability and Statistics

The **Ratios, Proportions, Probability and Statistics** supplemental software CD includes,

- 1.1 Introduction to Ratios
- 1.2 Equivalent Ratios
- 1.3 Ratios in Simplest Form
- 1.4 Finding Ratios in Simplified Form
- 1.5 Introduction to Proportions
- 1.6 Finding the Missing Number in a Proportion
- 1.7 Introduction to Probability
- 1.8 Probability Based on a Given Event or Data Set
- 1.9 Making Predictions with Probability
- 1.10 Factorials
- 1.11 Permutations and Combinations
- 1.12 Mean, Median and Mode
- 1.13 Statistical Range
- 1.14 The Basic Counting Principle

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## Supplemental Math Software CDs

### Measurements and Conversions

The **Measurements and Conversions** supplemental software CD includes,

- 1.1 Systems of Measurement
- 1.2 Using Non-standard Units to Measure Length
- 1.3 Using Standard Units to Measure Length
- 1.4 The U.S. System of Measurement
- 1.5 The Metric System of Measurement
- 1.6 Weight (Mass)
- 1.7 Temperature
- 1.8 Length
- 1.9 Measuring Length
- 1.10 Rate and Distance
- 1.11 Perimeter
- 1.12 Area
- 1.13 Area of a Square
- 1.14 Area of a Rectangle
- 1.15 Area of a Triangle
- 1.16 Volume & Liquid Volume
- 1.17 Volume of a Cube
- 1.18 Volume of a Rectangular Box
- 1.19 Review of Time
- 1.20 Converting Units of Time
- 1.21 The Rate, Time of Travel and Distance
- 1.22 Rate of Speed
- 1.23 Most Common Conversion Factors

### Number Types and Conversions

The **Number Types and Conversions** supplemental software CD includes,

- 1.1 The Numbering System and Place Values
- 1.2 Ways to Name Numbers
- 1.3 Number Forms
- 1.4 Defining and Grouping Whole Numbers
- 1.5 Reading and Writing Whole Numbers
- 1.6 Number Combinations
- 1.7 Comparing Numbers
- 1.8 Ordering Numbers
- 1.9 Odd and Even Numbers
- 1.10 Decimals Numbers
- 1.11 Displaying Decimal Numbers
- 1.12 Counting Money with Decimals
- 1.13 Prime Numbers
- 1.14 Introduction to Fractions
- 1.15 Identifying Fractions
- 1.16 Equivalent Fractions
- 1.17 Types of Fractions
- 1.18 Converting Whole Numbers to Improper Fractions
- 1.19 Converting Decimal Numbers into Fractions
- 1.20 Converting Fractions into Decimal Numbers
- 1.21 Converting Mixed Fractions to Improper Fractions
- 1.22 Converting Improper Fractions to Mixed Fractions
- 1.23 The Number Line
- 1.24 Plotting Numbers on the Number Line
- 1.25 Comparing Fractions
- 1.26 Comparing Decimal Numbers
- 1.27 Comparing Fractions and Decimal Numbers
- 1.28 Positive and Negative Integers
- 1.29 Addition with Positive and Negative Numbers
- 1.30 Subtraction with Positive and Negative Numbers
- 1.31 Multiplication with Positive and Negative Numbers
- 1.32 Division with Positive and Negative Numbers
- 1.33 Absolute Value
- 1.34 Finding the Absolute Value
- 1.35 Finding the Distance using the Absolute Value

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# Workbooks

## Overview

The workbook for each grade level includes worksheets, exams and answer keys. They are designed to supplement the **CD Software or the Online Edition**. The workbooks provide an added convenience for parents and students where students can do all their work in one convenient place with the worksheets and exams that are printed and bound together. Students can document the step-by-step process they follow to arrive at a solution to each problem.

Each workbook includes,

- ✓ Worksheets with work area (one worksheet for each lesson)
- ✓ Exams with work area (one exam for each chapter)
- ✓ Spiral or comb bound for ease of use

*Please see a detailed table of contents under each grade level to see the specific worksheets and exams for appropriate grade level.*

## Prices:

Workbook : \$29.99 (each grade level)

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# Full Curriculum Books

## Overview

The full curriculum textbooks offer comprehensive course contents for each grade level. Each grade level covers all the Math concepts that are concise and have "to-the-point" explanations. The concepts are demonstrated with sample problems to ensure students fully understand how to apply concepts to real world math problems.

Each curriculum book includes,

- ✓ Formula reference sheets
- ✓ Chapters with concise and to-the-point explanation of each subject area
- ✓ Problems with step-by-step solutions that demonstrate concepts to ensure your students understand how to apply concepts to real world math problems
- ✓ Frequent reference to real-life situations to help relate math concepts to real-world problems (whenever appropriate)

***Please see a detailed table of contents under each grade level to see the specific Math concepts covered for the appropriate grade level.***

## Prices:

**Full Curriculum Books : \$34.99 (each grade level)**



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# A+ Interactive Math

## Multi-Sensory Interactive Math Curriculum

## Your 1-STOP shop for ALL your Math Curriculum Needs

The screenshot shows the A+ Interactive Math website homepage. The header features the A+ logo and the text 'Interactive Math TutorSoft, Inc.'. Navigation links include Home, About Us, Order Now, Software, Books, eBooks/Software Download, Testimonials, Support, and FREE Stuff. A central image shows two children using a laptop, with a green starburst overlay reading 'ALL NEW flexible Family Packages NOW AVAILABLE!'. To the right of the image are four large green buttons: 'Placement Test', 'Online', 'CD Software', and 'Books / eBooks'. At the bottom, there is a row of six blue buttons: 'Overview', 'Placement Test w/ Lesson Plan', 'Family Packages', 'View Demos', 'Free Month Trial', and 'Specials'. Additional links at the top right include 'Activate My Order' and 'Homeschool Online Log In'.

## A+ Interactive Math

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