

# MATH DITTOS 2:

Fact Controlled  
**ADDITION & SUBTRACTION**  
for Special Learners  
by Steven L. Wood  
*Version 2.6*

MATH DITTOS 2: Fact Controlled ADDITION & SUBTRACTION for Special Learners is a remedial, "ground-up" reteach of addition and subtraction. Addition & subtraction facts are presented in "Clusters," including the fact and its complement. Practice problems are controlled, or limited, to the clusters shown on each page, allowing for review of the facts, a prompt for unknown facts, and, most importantly, allowing the student to progress operationally even though facts are not mastered.

Each regular cluster includes only three digits. For example, cluster 19 is comprised of 3, 4, and 7 only. Students quickly learn to look for the three-number pattern. Initial instruction can be enhanced with any manipulative. After initial drill, clusters should be completed and checked before completion of the page problems. Facts are presented sequentially, omitting the zeros, from the 1+'s to the 9+'s. Subtraction facts are included with their addition complement. A few examples are included here and there, as reminders only. These are guided practice sheets.

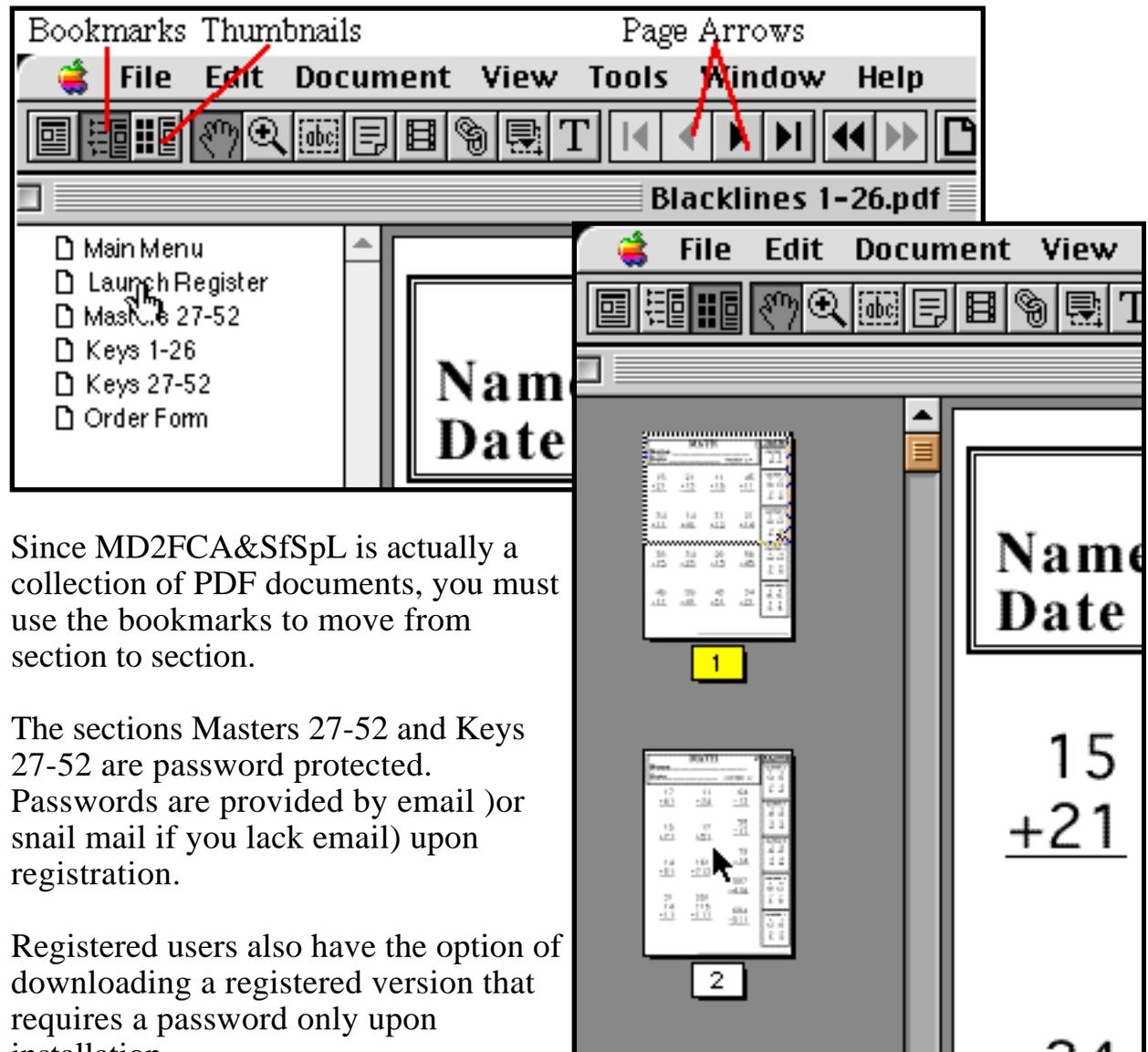
CLUSTER 19	
3	4
<u>+4</u>	<u>+3</u>
7	7
<u>-3</u>	<u>-4</u>

MD2:FCA&SfSpL is unique in that it is published as a series of Adobe PDF computer documents, and in that it supplies comprehensive fact support. Educators can now have a complete addition & subtraction workbook on their computer hard drive and run as many copies as needed. Students who have not, or **can not**, master their facts can continue to learn the processes of addition and subtraction with fact control.

MATH DITTOS 2: Fact Controlled ADDITION & SUBTRACTION for Special Learners is distributed in Adobe PDF format, requiring only the free Adobe Acrobat Reader. This version of MD2:FCA&SfSpL is compatible with Macintosh and Windows 95. It may well work with other operating systems, but has not been so tested.

## Navigation

Navigate through the pages of MD2FCA&SfSpL with the forward and backward arrow keys, or with Thumbnails. General areas can be selected through the Bookmarks. Select the page view from the View menu.



Since MD2FCA&SfSpL is actually a collection of PDF documents, you must use the bookmarks to move from section to section.

The sections Masters 27-52 and Keys 27-52 are password protected. Passwords are provided by email (or snail mail if you lack email) upon registration.

Registered users also have the option of downloading a registered version that requires a password only upon installation.

## A Free Unsolicited Word for Acrobat

Although I've worked with and beta-tested many programs, I've rarely found a program as easy to learn and trouble-free as Adobe Acrobat 3.0. If you must assemble documents in a cross-platform format, this one will do the job well!

**Included with the ClarisWorks version (Mac only):**

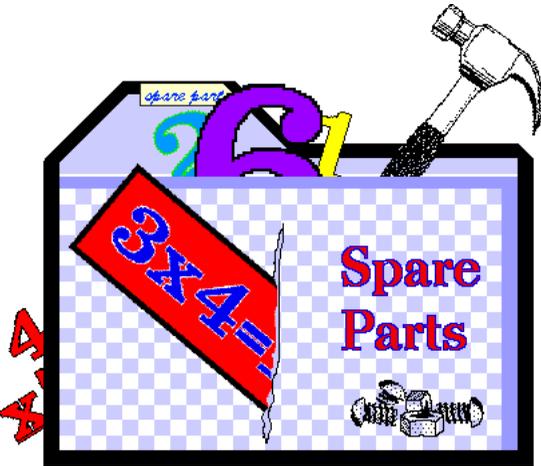
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MATH			
Name	Date		
109	698		
-87	-375		
33	333		
238	90	543	1,181
+732	-32	+335	-239
871	88	879	842
871			
528	897	233	107
+342	-523	+953	-24
871	879	1182	88
871			
237	1,176	248	80
+852	-943	+732	-38
1888	888	888	88
871			
818	869		
-325	-332		
871	877		
871			

A complete set of blackline worksheets, a set of color worksheets, and a set of answer sheets are included with the registered version. Answers are set in red type, but will print nicely in black and white if you wish. Some of the novelty pages included in previous versions, such as the dinos at the right, have been moved to the Spare Parts folder.

MATH				FACTS
Name	Date			
15	21	11	45	
+21	+13	+15	+11	
34	14	31	21	
+11	+41	+12	+14	
36	34	26	56	
-15	-23	-15	-45	
45	55	43	34	
-11	-41	-31	-21	

**SPARE PARTS FOLDER:**



This is where I've placed all the "goodies" below.

**Clusters:** Addition and subtraction clusters with answer sheets are included for your use in constructing pages. Answer clusters are also included. These are all active clusters for better printing quality. The clusters are comprised of three grouped sets of text to

MATH 52

NAME	DATE	
1,754	10,000	3,106
-897	-4,601	-1,129
90,183	25,220	80,121
-59,092	-717	-9,037
8,426	46,003	12,715
-4,768	-45,984	-4,815



preserve the alignment of the numbers.

**Addition Only and Subtraction Only Clusters:** These clusters are used in the review pages.

**Templates:** These are some of the set-ups I used for making earlier versions of the worksheets. They save a lot of time. I usually spent as long on the page set-up as I did with creating the actual math on each page!

**Alternate and extra practice pages:** Usually, these are previous version pages, or pages that I just didn't feel fit with the basic 52 worksheets.

# LEGAL STUFF

**MATH DITTOS 2: Fact Controlled ADDITION & SUBTRACTION for Special Learners** is shareware. Shareware is material that can be tried, without charge, for up to 30 days. After that period, you are expected to either pay the shareware fee or delete the materials from your hard drive. **MATH DITTOS 2: Fact Controlled ADDITION & SUBTRACTION for Special Learners** is protected by U.S. Copyright registration, ©1995-97 Steven L. Wood. The “distribution version” may be freely copied and distributed in its original form with all accompanying documentation. Registered users are granted the right to modify these materials for their own use only. Users may also generate paper copies for their own individual classroom use. Your registration of **MATH DITTOS 2: Fact Controlled ADDITION & SUBTRACTION for Special Learners** gives you a license to install the above on one computer at work and another at home. (I always thought Microsoft’s licensing made sense.) Distribution to a whole staff, school, or system is prohibited. Site licenses are available.

I’ve tried to deliver a worthwhile product at a price close to what you might pay for something similar, if it existed, at your local “teacher store.” Please support all shareware by paying your fees.

## DISCLAIMER

No warranties are made with this product. If it blows your machine, printer, or budget totally out-of-the water, you’re on your own. However, if you are dissatisfied with this product, it may be returned for a full refund. I don’t need unhappy customers!

## REGISTRATION

Paying for **MD2** with the included Register application is fairly simple. Open the Register program (  ) and enter your name, email address, mailing address, and the number of licenses you desire for each program you wish to purchase. Save the data from the Register program and send the data and payment to Kagi Shareware at:

Kagi Shareware  
1442-A Walnut Street #392-SL  
Berkeley, California 94709-1405  
USA

If paying with Credit Card or First Virtual, you can email or fax the data to Kagi Shareware. Their email address is [sales@kagi.com](mailto:sales@kagi.com) and their fax number is 1-510-652-6589. You can either copy the data from Register and paste into the body of an email message or you can Save the data as a text document and attach that file to an email message. There is no need to compress the data file, as it's already pretty small. Kagi promptly informs me of your payment and I mail the ClarisWorks version, or the PDF version password.

## **IMPORTANT:**

You have a choice in registering. If all you need is the PDF version, simply order that version for \$10.00. If you want or require the ClarisWorks editable version, with the extras noted, order that version for \$25 (Includes PDF also--you get both!).

Pricing for **MD2** is as follows:

### **PDF Version only:**

1- 9 single user licenses, \$10 per user; 10+ licenses \$9 each;

Site License, \$125 covers all locations for your organization within a 100 mile radius of your site.

World-Wide License, \$350 covers all locations for your organization on the planet earth.

### **ClarisWorks and PDF Version:**

1- 9 single user licenses, \$25 per user; 10+ licenses \$20 each;

Site License, \$250 covers all locations for your organization within a 100 mile radius of your site.

World-Wide License, \$400 covers all locations for your organization on the planet earth.

If you prefer, you may also mail your order directly to me using enclosed order form to the address below:

Steve Wood  
Steven L. Wood Publications  
6725 W County Rd 50 N  
Sullivan, IN 47882

Online registration is also available at my website:

<http://www.kagi.com/swood/>

You may also phone in your order to Kagi Sales at: 1 (510) 658-5244.

**Note:** There is an extra \$5 charge if you order this way!

Registration will entitle you to free upgrades (ie., PDF registered users get new PDF versions free, ClarisWorks registered users get ClarisWorks updates and upgrades fee). PDF registered users have the option of paying the difference at a later date to upgrade to ClarisWorks versions.

## Why am I locked out of pages 27-52 in the PDF version?

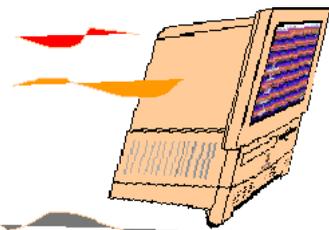
I have published complete, active versions of the MATH DITTOS 2 series at various times. Each time I have done so, registrations have effectively stopped! What a sad comment on all of us! (Yes, I have a few files on my hard drive that I still need to register, but...most of my sharewares are registered.) With some of the older, non-disabled files, I have often spent a good deal of time responding to questions from non-registered users, only to have them not register.

So...I've tried to give you a good look at what MD2:FCA&SfSpL is. Twenty-six pages should be enough to tell if you wish to purchase the entire version.

Unfortunately, once registered in the PDF version, you will need to use the password each time you access the locked files. I don't know another way to do it using Adobe Acrobat. But, as a registered PDF user, you will have the option of downloading the complete PDF version without locks from my private, registered users upgrade site. I know that's a hassle, and I am working on another way. My programming skills simply aren't up to writing a routine to permanently unlock the files.

## Some personal observations

These materials were created on my overworked Macintosh Performa 575 (which I love) using ClarisWorks 2.1 and 3.0 (The actual beginnings of the series were first written in WordPerfect). This release was primarily written with ClarisWorks for Macintosh 4.0v5 and converted to Adobe .pdf format with Adobe Acrobat 3.0. The Windows PDF version was created on a Mac version with final assembly on an Acer Aspire. My Mac has been upgraded from a 33 Mhz CPU to a 66 Mhz Power Mac--slow by today's standards, especially after working with the 150 Mhz Acer. I'm currently running System 8.0f5 with 36MB of actual RAM. I print from both the Mac and the Acer to an Epson<sup>®</sup> Stylus<sup>™</sup> Color Ink Jet Printer.



The Math Dittos 2 series was first created out of pure desperation. After years of teaching regular ed, I took my school's LD job. I had no money to purchase appropriate materials, and what I wanted simply didn't exist on the market anyway. The materials available didn't fit the needs of my students. These pages are the result of that. They were designed to give fact support and to present just a few practice problems so the ADHD students wouldn't be overwhelmed by the usual page of 25-30 itty-bitty problems with no work space.

At times the series may be used with little initial instruction. It really wasn't designed as a programmed material or tutorial. It was designed to give achievable, meaningful practice/seatwork for students after direct instruction had taken place. The old truism of "Teach, Practice, and Apply" holds true here.

Initially, the MD2 series was designed as a reteach, or repair program for students who had an incomplete math experience (read that as "tried and failed"). I was amazed at the positive academic and attitudinal response of the kids. Over the past 3 years, the series has been adapted and rewritten to be useful for initial instruction also.

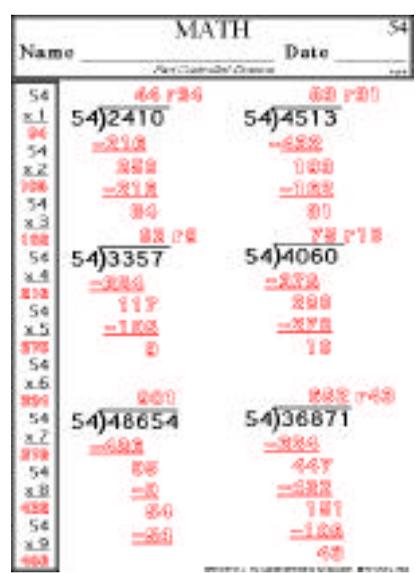
My class size went absolutely nuts during the year (sound familiar?), and progress almost ground to a halt on the change over to PDF format and the rewrite of the multiplication book. Claris again distinguished itself by making the revision more difficult than need be by again changing the formatting in their 5.0 release. For this, and other even more serious reasons, the MD2 series is quickly moving away from Claris and ClarisWorks.

**WHAT'S NEXT?**

I receive regular inquiries about the availability of MD2 products for other operations, especially division. I have the beginnings of a division book on the hard drive, but it is woefully inadequate at this time. If and when I get it right, I'll release it. For now...look very carefully at the answer key of page 54, at right.

Other ideas on the drawing board are:

**Coupon Math:** I've experimented some using store coupons and math word problems. The kids like this approach, but getting coupons that you can legally reproduce takes permission of the coupon granter or a license. I haven't the time or inclination to fight that battle.



**Fractions for Special Learners** has been under development almost since the beginning of the MD2 series. Unfortunately, I've not found or written a fraction font yet that totally serves the purpose. A special font will be necessary for this project, but must be readily available and free, included with the package, or...?? I've had one less than happy experience using shareware fonts and finding that new versions totally screw up my product. So this tome will have to wait until I have time, and my font drawing skills improve considerably past the level of MSDWT Manuscript (©1996 Steven L. Wood).

My teaching responsibilities seem to be moving more towards younger and more severely disabled children at present. I find that I'm writing a lot of counting and number meaning pages for my kids. These may form up into something in the future.

I continually explore other subject areas in my writing. Unfortunately, I usually end up using someone else's graphics or such to complete language arts projects, so that I can't release the material as freeware. I wrote a really great complement for Creative Wonders Grammar Rock series on parts of speech. I actually wrote Creative Wonders offering to give it away so that others could use it. I never heard a single word in response!

Finally, I'm beginning to explore print alternatives to computer documents. While I firmly believe the MATH DITTOS 2 series is ahead of its time in its approach to computation and packaging, it doesn't pay the bills! Since you're reading the documentation of the distribution version, please remember to pay your shareware fees for the programs you keep! Then pat yourself on the back. Paying shareware fees helps keep materials in the shareware domain, rather than going to print, or shrinkwrapped commercial software.

I had planned for some time to add a ClarisWorks for Windows version of the MD2 series. The problem always was hardware. I needed a PowerMac with a PC card to easily do the conversion. I applied for several grants, but had no luck. The Claris Solutions Alliance was totally unsupportive of these efforts, even though the proposed product only enhanced their products and a simple letter of recommendation might have made the difference. With that kind of a push, I purchased a Pentium last January (My wife actually needed the machine at home for her new job, and truth be known, I actually cut my computer teeth on an IBM.) With Zip drives on both the Mac and Acer, PDF file transfers are easily accomplished. So, the Windows version of the MD2 series is only in Adobe PDF format. Whether I will continue the Macintosh ClarisWorks version is still up in the air. I like the editability of the ClarisWorks versions, and still do much of the composition on a Mac. Maintaining dual versions is a nightmare, however.

Questions and comments can be emailed to me at:

[swood@kagi.com](mailto:swood@kagi.com) or

[woodsl@thnet.com](mailto:woodsl@thnet.com)

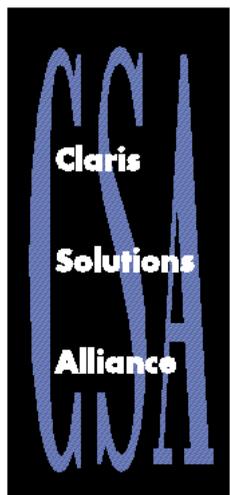
My website is at:

<http://www.kagi.com/swood/>

Or, by regular mail:

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8/10/97



**MEMBER**