

LEARN MATH FAST

**Student Progress Charts
for
Worksheets and Timed Tests**

Prepared by Donald L. Potter

www.donpotter.net

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Learn Math Fast: Volume 1

NAME _____ TEACHER _____ SCHOOL _____ GRADE _____

CHAPTER 1: ADDING AND SUBTRACTING NUMBERS SMALLER THAN 10

		DATE
Lesson 1: Adding & Subtracting 5	Worksheet 1	Timed Test 1
Lesson 2: Adding & Subtracting 6	Worksheet 2	Timed Test 2
Lesson 3: Adding & Subtracting 7	Worksheet 3	Timed Test 3
Lesson 4: Adding & Subtracting 8	Worksheet 4	Timed Test 4
Lesson 5: Adding & Subtracting 9	Worksheet 5	Timed Test 5
Lesson 6: Adding & Subtracting 10	Worksheet 6	Timed Test 6
Lesson 7: Adding & Subtracting Same Number	Worksheet 7	Timed Test 7

CHAPTER 2: ADDING & SUBTRACTING NUMBERS LARGER THAN 10

Lesson 8: Adding Smaller Numbers in Your Head	Worksheet 9	Timed Test 9
Lesson 9: Subtracting Numbers in Your Head	Worksheet 10	Timed Test 10
Lesson 10: Adding & Subtracting Double Digit Numbers in Your Head.	Worksheet 10	Timed Test 10
Lesson 11: Adding & Subtracting by 10's	Worksheet 11	
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Lesson 15: Place Value Up To 100 Column	Worksheet 15	
Lesson 16: Subtracting	Worksheet 16	
Lesson 17: Borrowing in Subtraction Problems	Worksheet 17	
Lesson 18: Borrowing with Zeros	Worksheet 18	
<i>Chapter 2 Review Test</i>		

CHAPTER 3. MULTIPLICATION AND DIVISION

Lesson 19: Multiplying by 1, 2 and 0.	Worksheet 19	
Lesson 20: Multiplying by 3	Worksheet 20	
Lesson 21: Multiplying by 4	Worksheet 21	Timed Test 11
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Lesson 25: Multiplying by 6	Worksheet 25	Timed Test 13
Lesson 26: Multiplying by 7	Worksheet 26	Timed Test 14
Lesson 27: Multiplying by 8	Worksheet 27	Timed Test 15
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Lesson 29: Multiplying by 10	Worksheet 29	Timed Test 17
Lesson 30: Multiplying by 11	Worksheet 30	Timed Test 18
Lesson 31: Multiplying by 11	Worksheet 31	
Lesson 32: Multiplying by Hand	Worksheet 32	
Lesson 33: Multiplying by 3 Digit Numbers	Worksheet 33	
Lesson 34: Division	Worksheet 34	
Lesson 35: Long Division	Worksheet 35	
Lesson 36: Place Value to One Billion	Worksheet 36	
Lesson 37: Multiplying Two and Three Digit Numbers	Worksheet 37	
Lesson 38: Greater than, Less Than, & The Decimal Point	Worksheet 38	
Lesson 39: Adding with Decimal Numbers	Worksheet 39	
Lesson 40: Multiplying with Decimal Points	Worksheet 40	
Lesson 41: Division with Remainders	Worksheet 41	
Lesson 42: Division with Fractional Remainders	Worksheet 42	
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Lesson 43A: Dividing with Three Digit Numbers	Worksheet 43A	
Lesson 44: Dividing by a Decimal Number	Worksheet 44	
Lesson 45: Rounding	Worksheet 45	
Lesson 45A: (The Mean) Averages		
<i>Chapter 3 Review Test (3 pages)</i>		

CHAPTER 4: US STANDARD MEASUREMENTS

Lesson 46: Length	Worksheet 46	
Lesson 47: Fluid Ounces	Worksheet 47	
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Learn Math Fast: Volume 2

NAME _____ TEACHER _____ SCHOOL _____ GRADE _____

CHAPTER 1: FRACTIONS

		DATE
Lesson 1: Beginning Fractions	Worksheet 2-1	_____
Lesson 2: Adding Fractions	Worksheet 2-2	_____
Lesson 3: Equivalent Fractions	Worksheet 2-3	_____
Lesson 4: Common Denominator	Worksheet 2-4	_____
Lesson 4.5 Least Common Multiple (LCM)	Worksheet 2-4.5	_____
Lesson 5: Reducing Fractions	Worksheet 2-5	_____
Lesson 5.5 Greatest Common Factor (GCF)	Worksheet 2-5.5	_____
Lesson 6: Reading Fractions on a Ruler	Worksheet 2-6	_____
Lesson 7: Subtracting Fractions	Worksheet 2-7	_____
Lesson 8: Fraction Facts	Worksheet 2-8	_____
Lesson 9: Multiplying and Dividing Fractions	Worksheet 2-9	_____
Lesson 10: Improper Fractions & Mixed Numbers	Worksheet 2-10	_____
Lesson 11: Working with Mixed Numbers	Worksheet 2-11	_____
Lesson 12: Subtracting Mixed Numbers	Worksheet 2-12	_____
Lesson 13: Multiplying Mixed Numbers	Worksheet 2-13	_____
Lesson 14: Dividing Mixed Numbers	Worksheet 2-14	_____
Lesson 15: Cross Cancellation	Worksheet 2-15	_____
<i>Chapter 1 Review Test</i>		_____

CHAPTER 2: PERCENTAGES

Lesson 16: Decimal Numbers, Percentages, and Fractions	Worksheet 2-16	_____
Lesson 17: 10%, 25%, and 50% of a Number	Worksheet 2-17	_____
Lesson 18: 20%, 30%, and 40% of a Number	Worksheet 2-18	_____
Lesson 19: Replacing words with Math Symbols	Worksheet 2-19	_____
<i>Chapter 20 Review Test (2 pages)</i>		_____

CHAPTER 3: NEGATIVE AND POSITIVE NUMBERS

Lesson 20: Adding Negative Numbers	Worksheet 2-20	_____
Lesson 21: Subtracting Negative & Positive Numbers	Worksheet 2-21	_____
Lesson 22: Multiplying Negative Numbers	Worksheet 2-22	_____
Lesson 23: Dividing Negative and Positive Numbers	Worksheet 2-23	_____
<i>Chapter 3 Review Test</i>		_____

Final Test

Prepared by Donald L. Potter on November 7, 2017.

WHY CAN'T MY CHILD LEARN MULTIPLICATION?

J. K. Mergens

You've tried oodles of books, stacks of CD's, decks of flashcards, and still your child struggles to answer 6×4 correctly. Your older child got it and the younger one is catching on, so why is it that some children just can't seem to remember basic multiplication facts? The answer is simple; they can't add. That's right! Children who struggle to learn multiplication facts actually have difficulties with addition. I didn't think this was true at first, but after homeschooling my son through high school, tutoring several other children, and developing my own math curriculum, I know this is true.

I'll never forget the day I asked my son, "How much is 4×3 ?" And he just stared at me. I said, "You know that $4 + 4$ is 8, so how much is $8 + 4$ more?" He continued to stare at me; he had no idea! I couldn't believe it. After two years of using a well-known textbook, he couldn't add $8 + 4$ in his mind. How could I expect him to multiply numbers when he couldn't even add them? After all, multiplying is a form of adding multiple numbers. I knew I had to do something, so I put that textbook away and I created my own method to teach him how to add numbers in his mind. Soon after, my son started to excel in math. He advanced so quickly, by age 16 he had finished high school math, enrolled in college, and taught himself Calculus II. Today he is a successful engineer.

While my son was in college, I had the opportunity to tutor some other children. Two of them were 7th graders; one boy and one girl. Both of them were trying to learn multiplication for years, but just couldn't seem to memorize those facts. As I worked with them, I noticed that they both had difficulties adding. It would take them several minutes just to add the columns of numbers below the multiplication problem. For a moment, I flashed back to when my son was younger and had difficulties adding. So I asked each of them separately, "How much is $8 + 7$?" One tried counting on his fingers; the other one thought for a while and then she said, "14?" I knew what I had to do; I had to show them the method I used to teach my son how to add and subtract numbers in his mind. When I told the students and their parents that I wanted to go back to addition, they didn't really understand. But I knew that these kids would never be able to advance until they learned how to add and subtract small numbers in their minds.

Addition is so important in math that even during calculus you will often be required to solve simple addition. Have you ever heard of The 9's Trick? It's a quick way to recall all the answers to 9 times any single digit number. If you aren't familiar with it, watch the 2 minute video on the LMF website. It's a fantastic trick, but if you can't quickly solve problems such as $6 + 3$, even a trick as effective as this one won't work.

In 2010, I published the method I used to teach my son math and it is being used by homeschooling families across the globe. Many of them have sent emails telling me how only a year ago their child was struggling to multiply and now, after using my program, their student is not only enjoying math, but they are exceling at it.

The next time you meet someone who struggles to memorize basic multiplication facts ask him/her to add $8 + 7$ in their mind. If you don't hear "15" within two seconds, you will know it's time to start over. But the good news is that it doesn't take long with the Learn Math Fast System.

Originally posted on www.OhioHomeschool.blogspot.com

HOW CAN I TEACH MATH TO MY CHILD?

By J. K. Mergens

Are you trying to teach a subject that you don't know, don't understand, and frankly, don't even like? No problem, the Learn Math Fast System can help. These books assume that the reader doesn't understand math and walks you through every step. You can learn right along with your kids or just hand the books to your older, independent learner and tell them to start reading. A Teacher's Guide isn't necessary; it's all self directed.

The answers are included in the back of each book. And not just the answer, but all work is shown with full solutions, so you can find where you went wrong.

These books are written in a conversational tone with just a bit of humor. All new vocabulary words are explained and several tips and tricks are offered to help the student recall important terms.

Note from Don Potter: I included this little note from Mrs. Mergens to encourage parents and teachers who may have struggled with math in school to take courage knowing that the program does not even assume competence on the part of the instructor. You can learn right along with your students.

Note from Internet Publisher: Donald L. Potter

November 8, 2017

I purchased the first two volumes of *Learn Math Fast* in October 2017 to use with my tutoring students at the Odessa Christian School in Odessa, TX. and with my private tutoring students. I created these Student Progress Charts to help me keep track of the students' progress from one tutoring session to the next.

I will make charts for the other five LMF textbooks as soon as I can get copies.

My experience teaching multiplication is exactly the same as Mrs. Mergens. I noticed that the kids could not add 6 to 18 to get $6 \times 4 = 24$, etc. The third grade teachers are frustrated because the first and second grade teachers did not teach the addition tables to automaticity. By taking the kids through LMF from the very start and building a strong foundation in addition, teaching multiplication becomes quite easy.

<http://learnmathfastbooks.com/index.html>

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