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# Introduction

*Math Mammoth U. S. Money* is a worktext that covers U.S. money-related topics usually encountered during grades 1-3. The book contains both textbook explanations and exercises, and is designed to be very easy to teach from, requiring very little teacher preparation (you do need to find some practice coins before the lessons).

The book starts with first-grade topics such as counting pennies, nickels, dimes, and quarters. While the lessons use pictures for the coins, practicing with real coins is, of course, even better, and you should have real money on hand to practice with.

From there, the lessons advance towards second-grade, and finally to third grade topics. Therefore, you can also let your child work the pages of this book in different time periods, and not go through it all at once, depending on your child's current level.

*Making Change* explains two basic ways of finding the change: counting up, and subtracting (finding the difference). This is all done with mental math. The next lesson also practices money problems using mental math.

In the last lesson we solve money problems by adding and subtracting money amounts vertically (in columns).

On the next page you will find a list of money activities and games on the Internet.

*I wish you success with your math teaching!*

*Maria Miller*

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## Helpful Resources on the Internet

*Use these free online resources to supplement the "bookwork" as you see fit.  
You can access an up-to-date online version of this list at  
[www.mathmammoth.com/weblinks/money.htm](http://www.mathmammoth.com/weblinks/money.htm)*

### **Change maker**

Determine how many of each denomination you need to make the exact change. Good and clear pictures! Playable in US, Canadian, Mexican, UK, or Australian money.  
<http://www.funbrain.com/cashreg/index.html>

### **Using money**

Drag the right amount of coins and bills (US) to the answer space to match given amount. The pictures look a little fuzzy.  
<http://www.mathcats.com/microworlds/usingmoney.html>

### **Counting Money Activity from Harcourt**

Count the coin value and type it in the box and click 'Check'.  
[http://www.hbschool.com/activity/counting\\_money/](http://www.hbschool.com/activity/counting_money/)

**Cash Out**

Click on money icons (US bills and coins) until you have given back the exact change.

<http://www.mrnussbaum.com/cashout/index.html>

**Cash Out**

Give correct change by clicking on the bills and coins.

<http://www.mrnussbaum.com/cashd.htm>

**Piggy bank**

When coins fall from the top of the screen, choose those that add up to the given amount, and the piggy bank fills.

<http://fen.com/studentactivities/Piggybank/piggybank.html>

**Coins and Medals from U.S. Mint**

History and pictures of the circulating coins, commemorative coins, Native American \$1 Coin Program, and the Presidential \$1 Coin Program. Learn also how coins are made and take a virtual tour around the mint.

[www.usmint.gov/kids/coinsMedals](http://www.usmint.gov/kids/coinsMedals)

**Money Instructor**

Checkbook math exercises and worksheets. Includes a checkbook to print, writing dollars and cents worksheet, checking account deposit, checkbook transactions, and word problems.

<http://www.moneyinstructor.com/checks.asp>

**Money Activities at the National Library of Virtual Manipulatives**

Count the money shown, or make given change, or make one dollar.

[http://nlvm.usu.edu/en/nav/frames\\_asid\\_325\\_g\\_2\\_t\\_1.html](http://nlvm.usu.edu/en/nav/frames_asid_325_g_2_t_1.html)

**Making Change Game at MathPlayground.com**

An interactive game where you figure out the change, and then make it using the fewest possible bills and coins.

[http://www.mathplayground.com/making\\_change.html](http://www.mathplayground.com/making_change.html)