

Teacher's Guide

How Many Pennies Make a Dollar?

Introduction

This teacher's guide helps teach young children about adding combinations of bills and coins. By introducing the basic concept of money and values of U.S. currency, this series teaches children how to count, add, and subtract, and solve problems involving money. Graphics in this series are highly detailed and problem situations are relevant to help children easily see the use of money in relevant contextual settings.

National Standards

This series supports Mathematics, and Language Arts curriculum. Go to www.enslowclassroom.com or www.enslow.com and click on the Curriculum Correlations tab. Click on your state, grade level, and curriculum standard to display how any book in this series backs up your state's specific curriculum standard.

Classroom Activities

Activities for teaching the five curriculum areas: Reading/Language Arts; Math, Science; Social Studies; and the Arts, can be found in this teacher's guide. Beginning readers will practice sight words and repetitive text, as they learn about adding bills and coins.

Guided Reading Level: K

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Where to Find More Information About Titles in this Series:

Visit www.enslowclassroom.com or www.enslow.com to search for other titles and series, as well as download the teacher's guides for other titles in this series:

Titles in this series:	Library Edition ISBN:	Paperback Edition ISBN:
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How Many Pennies Make A Dollar?	978-0-7660-3141-8	978-0-7660-3656-7

Titles in this series can be purchased through all major vendors or directly from:

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I Like Money Math! Teacher's Guide for

How Many Pennies Make a Dollar?

Young children are fascinated to learn more about money and are beginning to look outward to the world beyond their family and school to understand how things work. Using bright, detailed color illustrations, this book centers around two critical themes addressed throughout the series: **How do you identify bills and coins? How do you add or subtract bills and coins?** These questions are answered through detailed illustrations and strategies for adding or subtracting combinations of coins and bills.

Here are some basic facts that you can share with your students about money. A website is suggested for further information.

Money Basics

Coins

Common coins in U.S. currency include pennies, nickels, dimes, and quarters. Half-dollars and dollar coins are also in circulation, but are not commonly used. Learn more about coins currently in circulation at <http://www.usmint.gov/kids/coinNews/circulating/>.

Pennies

Featuring Abraham Lincoln, our 16th President, pennies are some of the oldest coins made in the United States. They are made of copper and nickel metals. In 2009, a new series of pennies was minted to show various aspects of President Lincoln's life.

Nickels

Nickels are worth five cents today. They were not originally called nickels. Before they were made of the metal nickel, this coin was called a "half disme" (pronounced "half-dime"). In 1938, President Jefferson's profile was printed on the coin, along with an image of his home, Monticello.

Dimes

Dimes are the oldest coins minted by the United States. They were actually minted before the construction of the first U.S. Mint in 1792. The word "dime" comes from a Latin word that means one-tenth. In 1946, President Roosevelt's profile was placed on the dime.

Quarters

Quarters are named because they are one-fourth of the value of a dollar. Originally, the quarter had to weigh $\frac{1}{4}$ of the weight of a dollar coin. In 1932 George Washington's face was placed on the front of the quarter. From 1999-2008 quarters were minted with images representing each of the fifty states.

Bills

Bills are considered to be "paper money", though they are not actually made of paper at all. They are made of a blend of cotton and linen. Bills come in denominations of 1, 5, 10, 20, 50, 100 dollars, though at one time a \$100,000 note was minted. There are many symbols on U.S.

bills; learn more about them at <http://kids.niehs.nih.gov/triviadollar.htm>.

For additional information and online resources, please see the following links:

http://www.frbatlanta.org/pubs/dollarscents/dollars_and_cents-u_s_coins.cfm?redirected=true%20--%20Federal%20Reserve%20Bank%20of%20Atlanta provides an overview of current currency and the design and minting process.

http://www.stlouisfed.org/education_resources/assets/pdf/25_cents_history.pdf provides printable lesson activities on the Fed, the minting process, and other ideas for activities.

http://www.thirteen.org/edonline/concept2class/interdisciplinary/lp_middle.html offers a lesson plan integrating technology to instruct older students on money features and minting. Printable activity sheets and cross-curricular suggestions are also included.

http://www.scetv.org/education/ntti/lessons/2003_lessons/money.cfm provides a lesson plan integrating technology to teach students in grades 2-3 to identify and count money. Printable activity sheets and cross-curricular suggestions are also included.

http://www.richmondfed.org/publications/education/historical_figure_bookmarks/pdf/who_am_i.pdf offers teachers a printable "Who Am I" bingo game with fact sheets and poems for pennies, nickels, dimes, and quarters.

Page 3 of this book contains an illustrated guide to common coins and bills in U.S. currency.

Activities -- The Five Curriculum Activities

SAFETY WARNING:

Before any activity, make sure your students do not have any allergies to items that you might use. Never use anything which is sharp or may cut a student. Do not use anything too hot or cold which might injure any student. Always have an adult supervise all activities to ensure the safety of your students.

Reading/Language Arts activity:

Ask students to write a poem about money that tells about how much a coin is worth. This activity could be completed individually, with a partner, or in small groups.

Math activity:

Working in small groups, have students use play money to create different ways of making \$1.00. Ask them to record their results to share with the class. Discuss the number of combinations found with the students and ask them if they found any patterns while doing this activity. If using a half-dollar, there are 293 different combinations of coins that equal \$1.00.

Science activity:

Have students investigate the properties of coins by discussing what they are made of. Do they come from living or non-living things? Are they magnetic? Allow students to use a magnet to experiment with some different coins and other metal objects to decide if they are magnetic or not.

Social Studies activity:

Our money has many symbols and landmarks that are important to our country. On the back of the nickel is Monticello, the home of Thomas Jefferson. Help students to make connections between this image and the landmark by exploring the virtual tour at www.explorer.monticello.org. Explore panoramic views of the Lincoln Memorial at <http://www.nps.gov/linc/index.htm>.

Arts activity:

Sing the coin combination song (see handout) about the value of coins and combinations to make \$1.00.

Handout: How Many Pennies Make A Dollar?

The Coin Combination Song
(To the tune of London Bridge is Falling Down)

One hundred pennies make a dollar,
Make a dollar,
Make a dollar.

One hundred pennies make a dollar,
They're worth one cent.

Twenty nickels make a dollar,
Make a dollar,
Make a dollar.

Twenty nickels make a dollar,
They're worth five cents.

Ten dimes make a dollar,
Make a dollar,
Make a dollar.

Ten dimes make a dollar,
They're worth ten cents.

Four quarters make a dollar,
Make a dollar,
Make a dollar.

Four quarters make a dollar,
They're worth twenty five cents.