

# Vineville Academy of the Arts: Donuts with Dads Mathematics at Home Tips

## Money's Worth

### Grades 1-3

#### What you'll need

Coins, grocery store coupons, and a pencil

#### What to do

1. **Coin clues.** Ask your child to gather some change in his or her hand without showing what it is. Start with amounts of 25 cents or less (for first-graders, you can start with pennies and nickels). Ask your child to tell you how much money and how many coins there are. Guess which coins are being held. For example, "I have 17 cents and 5 coins. What coins do I have?" (3 nickels and 2 pennies).
2. **Clip and count.** Cut out many money cents on be purchased A pencil? How coupons? How What could be paper? A coupons for a be counted A book? A is the coupon
3. **Count the cents,** 30 child add the
4. Try playing



pennies).

**save.** Cut out grocery store coupons and tell how is saved with coins. For example, if you save 20 detergent, say 2 dimes. Ask your child what could using the savings from the coupon. A pack of gum? much money could be saved with 3, 4, or 5 purchased with those savings? A pack of notebook magazine? How much money could be saved with week's worth of groceries? How would that money out? What could be purchased with those savings? movie ticket? What percentage of the original price worth?

**ways.** How many ways can you make 10 cents, 25 cents, 40 cents, or 50 cents? You can help your coins in various ways to get different answers. the coin games with coins from another country.

#### Parent Pointer



Coin games help children to learn the value of coins. They also teach counting, addition, subtraction, and multiplication. Coupons can help teach children money management, as well as subtraction and percentages.

## Newspaper Search

### Grades 3-5

#### What you'll need

Newspaper, calculator, pencil, paper, and graph paper (can be hand-drawn)

#### What to do

1. **List it.** Give your child the grocery section of the newspaper in order to make up a list of foods that will feed the family for a week and also meet a budget of a certain amount of money. Have your child make a chart and use mental math or a calculator to figure the cost of a few items. If the total for the groceries is more than you have budgeted for, talk about which items can be eliminated. Could the list be cut down by a few items or by buying less of another item? What will best serve the needs of the family?
2. **Shop around.** Have your child search for advertisements in the newspaper for an item they have been wanting, such as a piece of clothing or tennis shoes, in order to find the lowest price for the item. After your child finds the best buy, have him or her compare the best buy to the rest of the advertised prices. Are this store's prices lower for everything or just items in demand?
3. **Highs and lows.** Have your child search the newspaper for daily temperatures and create a graph showing weekly trends. Ask your child for the differences in temperature from day to day.



#### Parent Pointer



This activity helps children see how much math is used in everyday life. It also helps in the variety of ways in which math is used to tell a story, read a timetable or schedule, plan a shopping list, or study the weather.