



Your Ultimate Guide to **Money and Math**

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Money Steps

Steps Kindergarten – Grade 12

Problem Solving Should be integrated during each step.

Understanding of:

Step 1 - Money Talks

Exposure to money vocabulary and discussions. Play with real money, identify, count it, look at the images on the coins, discuss the value, discuss prices of things in stores, etc. Play store, restaurant, etc.

Step 2 - Reading Numbers With Money

Learning Numbers 1-99 (Represent numbers with fingers)

Step 3 - Represent the Value of Money with Coins and Bills

Refer to place value and numbers. Example: Show different coins for same amounts.
1 dollar = 4 quarters = 2 quarters + 5 dimes

Step 4 - Link money to fractions and decimal amounts.

Step 5 - Number line with fraction and decimal amounts. 0 to 1, 0 to 2, etc.

The number line could be from 0 to 1, 0 to 2, etc. Example: Place the following amounts on the number line: 0, 1, $1/2$, $1/4$, $3/4$, 0.50, 0.25, 0.75, etc.

Step 6 - Adding prices with grocery store flyers.

Example: Grocery budget planning. Estimating prices and rounding up or down.

Step 7 - Taxes and percentages. 10%, 2%, etc.

Example: 12% tax in Manitoba = \$0.12 per dollar with increasing amounts. For 3 dollars, there would be $\$0.12 + \$0.12 + \$0.12 = \0.36 for a total of \$3.36.

Step 8 - Percentages with discounts. 10% off would equal...etc.

Step 9 - Problem solving with different concepts

a) **Money, capacity, mass:** What is the best deal? Looking and comparing prices, grams, millilitres, etc. One bag of apples weighs 5 kg for \$9.99 or a bag of apples that weighs 8 kg for \$14.99. What would you buy and why?

b) **Fractions and Money:** How much is half of a dollar/quarter of a dollar, a tenth of a dollar, a 20th of a dollar, a 100th of a dollar?

Step 10 - Link to later grades and high school math concepts



