

## Coin Toss - Counting, Addition, Subtraction, Fractions

Materials needed:

- 2 bowls, pots or hats
- 20 coins (2 matching sets)
- Partner (if possible)
- paper and pencil



Each player gets a bowl and 10 coins.

Make sure your coins match your partners. Place your bowls next to each other and stand back a few feet from the balls. Take turns throwing your 10 coins into your bowl one at a time. It's ok if you miss! When you are both done throwing all of the coins, pick up the bowl and count the value of the coins that landed in the bowl. What is the amount? Who has more? Less?

Play three rounds and add the totals to see who gets the most out of three rounds.

**Kindergarten - Counting:** Just count the coins instead of the value of each. For example, if five coins land in your bowl, you would count "1,2,3,4,5". Can you add one more? Take away one?

**Grades 1&2 - Addition and Subtraction:** Count the value of the coins, and write this number down as a whole number. For example, \$0.75 would just be written as 75. What is one or two more than this number? What is one or two less than this number? Add 5 or 10. Subtract 5 or 10.

**Grades 2,3,4 - Addition and Subtraction:** Count the value of the coins, write as a whole number, then add 500 to your total. For example,  $500+75=$ \_\_\_\_ Subtract your total from 500. For example,  $500-75=$ \_\_\_\_ Try adding and subtracting with other numbers.

**Grades 4&5 -Addition, Subtraction, Multiplication, Fractions and Decimals**

Count the value of the coins and write as a decimal. For example, \$0.75. Double this amount. Subtract this amount from \$5.00. Multiply this amount by 3 or 10 or any number. For example,  $\$0.75 \times 3=$ \_\_\_\_\_.

Look at how many dimes you have in your bowl. Write a fraction that represents this. For example, if you have two dimes out of ten total coins in your bowl, you would write  $\frac{2}{10}$ . Can you write this number as a decimal? For example 0.2. Write fractions for each of the types of coins in your bowl.

**To make it more challenging for all grade levels:** Each player tries to toss 20 coins into the bowl. Repeat the above activities with the amount of coins that land in your bowl.

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