

Piggy Bank Math

Coin Combinations Less Than a Dollar

Sample

Maggie Moneytoes broke her piggy bank open and found five coins worth \$0.37. Which coins did she have?

She had to have two pennies. The only combination of three coins worth \$0.35 is one quarter and 2 nickels.



Directions: Carefully study the Facts and Reminders page for this unit. Make a chart to solve each of these problems. Use another piece of paper, if necessary.

1. Festus Flattbroke found five coins worth \$0.57 in his shirt pocket. Which coins did he find?

Number of Coins
2 pennies

Amount of Money
\$0.02

Totals: _____
5 coins

\$0.57

2. Johnny Cashless found 17 coins worth \$0.21 under the couch. Which coins did he find?

Number of Coins

Amount of Money

Totals: _____
17 coins

\$0.21

3. Mister Monnebaggs cracked his piggy bank and found six coins worth \$0.96. He did not have a half dollar. What coins did he find? _____
4. Mrs. Monnebaggs opened her piggy bank and found five coins worth \$0.22. What coins did she find? _____
5. Bertha Bigspender found seven coins worth \$0.39 in her pencil box. Which coins did she find? _____
6. You opened your piggy bank and found five coins worth \$0.78. Which coins did you find?

Coin Combinations More Than a Dollar

Festus Flattbroke found nine coins worth \$1.23 under his bed. None of the coins was a half dollar. Which coins did he find?

Facts

- At least three of the coins must be pennies.
- There were no half dollars so the dollar can be four quarters.
- The remaining \$0.20 must be two dimes.

Number of Coins	Amount of Money
3 pennies	\$0.03
4 quarters	\$1.00
<u>2 dimes</u>	<u>\$0.20</u>
Totals: 9 coins	\$1.23

Directions: Carefully study the Facts and Reminders page for this unit. Make a chart to solve each of these problems. Use another piece of paper, if necessary.

1. Sondra Sorich opened her piggy bank so she could go to the mall. She found 11 coins worth \$2.11. What coins did she have?
2. Bertha Bigspender found 13 coins worth \$3.03 in her makeup bag. She did not have any dimes. Which coins did she find?
3. Maggie Moneytoes found 20 coins worth \$3.27 in her shoe. She did not have any nickels. Which coins did she find?
4. Johnny Cashless kept his money in a dirty sock. He had 19 coins worth \$4.51. He did not have a half dollar. Which coins did he have?
5. Mister Monnebaggs had 14 coins worth \$3.97 in his office safe. He did not have any dimes. Which coins did he have?
6. Mrs. Monnebaggs found 19 coins worth \$4.14 in her hat. She did not have any nickels. Which coins did she have?
7. You found 27 coins worth \$1.17 in an old magazine. There were no nickels. Which coins did you find?
8. Your best friend found 37 coins worth \$7.30 in an old coin purse. There were no half dollars and only one dime. Which coins did your friend find?