

Solving Coin/Value Problems

Solve each problem algebraically.

1. In a boy's piggy bank, there is a collection of nickels, dimes, and quarters which amount to \$3.20. There are 3 times as many quarters as nickels, and 5 more dimes than nickels. How many coins of each kind are there?
2. Tanesha has 4 times as many quarters as dimes. In all she has \$2.20. How many coins of each type does she have?
3. Mary has three times as many dimes as nickels. In all, she has \$1.40. How many coins of each type does she have?
4. A purse contains \$4.70 in nickels and quarters. There are 30 coins in all. How many coins of each type are there?
5. James bought 80 postage stamps for which he paid \$3.50. Some were 3-cent stamps and some were 5-cent stamps. How many of each kind did he buy?
6. Paul has twice as many dimes as pennies, and 3 times as many nickels as pennies. In all he has \$1.80. How many coins of each type does he have?
7. Jamie found some coins that had a total value of \$2.65. If there were five fewer dimes than quarters, how many dimes did Jamie find?