

Name _____

8A; Algebra 1

Date _____

Period _____

Coin Word Problems

Key Formula:

$$\text{Number of coins} \cdot \text{value of each coin (\$)} = \text{Total value of the coins (\$)}$$

**Use LESC to solve following coin (& stamp) word problems

1) Kim has 3 times as many dimes as nickels. In all she has \$1.40. How many coins of each type does she have?

2) A boy had \$3.20 in his bank made up of nickels, dimes and quarters. There are 3 times as many quarters as nickels, and 5 more dimes than nickels. How many coins of each kind are there?

3) A purse contains \$1.35 in nickels and dimes. In all, there are 15 coins. How many of each kind are there?

4) Mr. Jones bought \$30.64 worth of stamps. He bought 20 more 19 cent stamps than 50 cent stamps. He bought twice as many 29 cent stamps as 19 cent stamps. How many of each kind of stamp did he buy?

5) Fara cashed a \$185 check in the bank. She received \$1 bills, \$5 bills, and \$10 bills. In this order, the numbers of three types of bills she received were three consecutive integers. How many bills of each type did she receive?

6) Erin deposited \$170 in the bank. The number of \$5 bills was 3 times the number of \$10 bills, and the number of \$1 bills was 30 more than the number of \$5 bills. How many bills of each type did she deposit?

7) Elyssa has twice as many dimes as pennies and 3 times as many nickels as pennies. In all she has \$1.80. How many coins of each type does she have?

8) Nick has 4 times as many quarters as dimes. In all he has \$2.20. How many coins of each type does he have?