

Name: Class:

Find the number of each type of coin

1. Ethel has the following coins.



If the total value of the coins is 45¢, what is the missing coin?

2. Kevin has a total of 55¢ in his two pockets. If he reaches his left pocket and finds two quarters, what coins are in his right pocket?
3. Belta has a total of 8 quarters and pennies worth \$1.55. How many of each coin does Belta have?
4. In Peter's piggy bank, he has a total of 260 quarters and dimes worth \$50. How many of each coin does he have?
5. Ethel has dimes and pennies worth \$6.20. If she has thrice as many dimes as pennies, how many of each type of coin does she have?
6. Yesterday, Mr. Jones collected 25 coins worth \$2.10. If he only collected nickels and dimes, how many nickels and dimes did he collect respectively?

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Find the number of each type of coin

1. Ethel has the following coins.



If the total value of the coins is 45¢, what is the missing coin?

The first dime is worth 10¢.

Subtract 10¢ from 45¢. $45¢ - 10¢ = 35¢$

The second dime is worth 10¢

Subtract 10¢ from 35¢. $35¢ - 10¢ = 25¢$

To get the 25¢ left above, the unknown coin must be 1 quarter because it is worth 25¢.

So, the unknown coin = 1 quarter.

2. Since a nickel is worth 5¢, then the coin in his right pocket must be a Nickel.

3. So, Belta has 6 quarters and 1 nickel.

4. So, he has 160 quarters and 100 dimes.

5. So, she has 60 dimes and 20 pennies.

6. So, he collected 17 dimes and 8 nickels.