Name: .... Class: ....

Find the number of each type of coin

a. Ethel has the following coins

dime dime ?

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

b. 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?

c. Belta has a total of 8 quarters and pennies worth $ 1.55. How many of each coin does Belta have?

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Name: .... Class: ....

Find the number of each type of coin

a. Ethel has the following coins

(dime)(dime)(?)

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.

b. 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?
  Total value of coins = 55¢
  1 quarter is worth 25¢
  2 quarters is worth 25¢ x 2 = 50¢
  Therefore, to get the worth of the unknown coin, subtract the worth of 2 quaters
  from the total amount of coins
  = 55¢ - 50¢ = 5¢
  Since a nickel is worth 5¢, then the coin in his right pocket must be a Nickel.

c. Belta has a total of 8 quarters and pennies worth $ 1.55. How many of each coin does Belta have?
  1 dime is worth $ 0.10
  1 quarter is worth $ 0.25
  5 quarters are worth $ 1.25 and 3 pennies are worth $ 1.55
  if you add $1.25 to $0.3 it will amount to $ 1.55

  So, Belta has 5 quarters and 3 pennies.

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