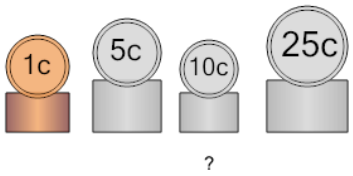
Name

Algebra with Coins - Same Count of Four with Four Coin Types - to Equations

1

$2.05

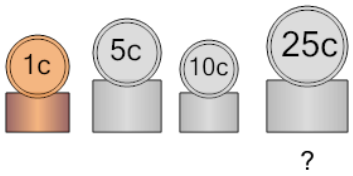


Some coins have a total value of $2.05 There are the same number of Pennies, Nickels, Dimes, and Quarters, and only those coins. What equations would help us solve?

A	B
$d = q$ $q = p$ $p = n$ $10d + 25q + 1p + 5n = 205$	$p = n$ $n = d$ $d = q$ $1p + 5n + 10d + 25q = 205$

2

$0.82

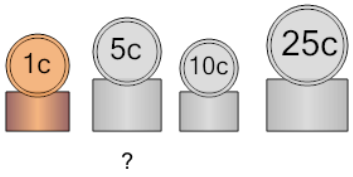


Some coins have a total value of $0.82 There are the same number of Pennies, Nickels, Dimes, and Quarters, and only those coins. What equations would help us solve?

A	B
$n = q$ $q = p$ $p = d$ $5n + 25q + 1p + 10d = 82$	$p = n$ $n = d$ $d = q$ $1p + 5n + 10d + 25q = 82$

3

$2.05

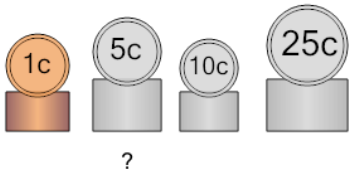


Some coins have a total value of $2.05 There are the same number of Pennies, Nickels, Dimes, and Quarters, and only those coins. What equations would help us solve?

A	B
$p = n$ $n = d$ $d = q$ $1p + 5n + 10d + 25q = 205$	$p = d$ $d = n$ $n = q$ $1p + 10d + 5n + 25q = 205$

4

$0.82

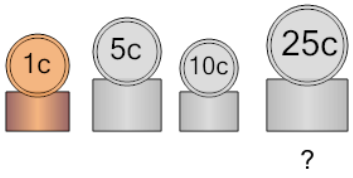


Some coins have a total value of $0.82 There are the same number of Pennies, Nickels, Dimes, and Quarters, and only those coins. What equations would help us solve?

A	B
$p = q$ $q = n$ $n = d$ $1p + 25q + 5n + 10d = 82$	$p = n$ $n = d$ $d = q$ $1p + 5n + 10d + 25q = 82$

5

$1.23

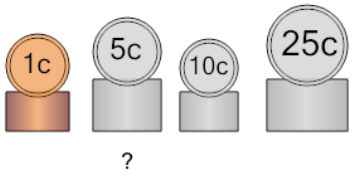


Some coins have a total value of $1.23 There are the same number of Pennies, Nickels, Dimes, and Quarters, and only those coins. What equations would help us solve?

A	B
$p = n$ $n = d$ $d = q$ $1p + 5n + 10d + 25q = 123$	$p = q$ $q = d$ $d = n$ $1p + 25q + 10d + 5n = 123$

6

$0.41

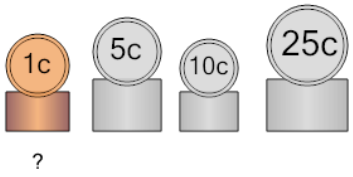


Some coins have a total value of $0.41 There are the same number of Pennies, Nickels, Dimes, and Quarters, and only those coins. What equations would help us solve?

A	B
$p = n$ $n = d$ $d = q$ $1p + 5n + 10d + 25q = 41$	$d = q$ $q = n$ $n = p$ $10d + 25q + 5n + 1p = 41$

7

$1.23

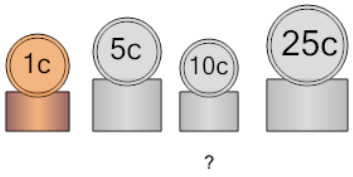


Some coins have a total value of $1.23 There are the same number of Pennies, Nickels, Dimes, and Quarters, and only those coins. What equations would help us solve?

A	B
$p = n$ $n = d$ $d = q$ $1p + 5n + 10d + 25q = 123$	$p = q$ $q = n$ $n = d$ $1p + 25q + 5n + 10d = 123$

8

$1.64



Some coins have a total value of $1.64 There are the same number of Pennies, Nickels, Dimes, and Quarters, and only those coins. What equations would help us solve?

A	B
$p = n$ $n = d$ $d = q$ $1p + 5n + 10d + 25q = 164$	$d = q$ $q = n$ $n = p$ $10d + 25q + 5n + 1p = 164$