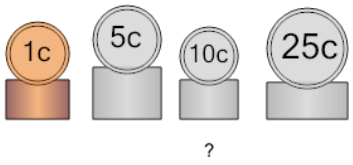
Name

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

1

$0.57

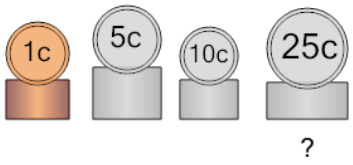


Some coins have a total value of $0.57 There are the same number of Pennies, Nickels, and Dimes but a different number of Quarters. What equations would help us solve?

A	B
$p = n$ $n = q$ $1p + 5n + 25q + 10d = 57$	$p = n$ $n = d$ $1p + 5n + 10d + 25q = 57$

2

$0.89

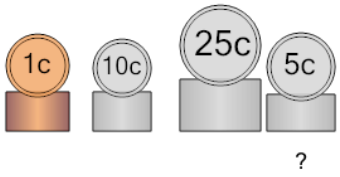


Some coins have a total value of $0.89 There are the same number of Pennies, Nickels, and Dimes but a different number of Quarters. What equations would help us solve?

A	B
$p = n$ $n = d$ $1p + 5n + 10d + 25q = 89$	$n = p$ $p = d$ $5n + 1p + 10d + 25q = 89$

3

$1.54

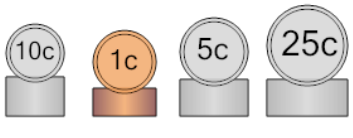


Some coins have a total value of $1.54 There are the same number of Pennies, Dimes, and Quarters but a different number of Nickels. What equations would help us solve?

A	B
$d = q$ $q = p$ $10d + 25q + 1p + 5n = 154$	$p = d$ $d = q$ $1p + 10d + 25q + 5n = 154$

4

$1.74

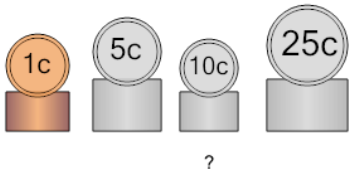


Some coins have a total value of $1.74 There are the same number of Pennies, Nickels, and Quarters but a different number of Dimes. What equations would help us solve?

A	B
$p = n$ $n = q$ $10d + 1p + 5n + 25q = 174$	$n = q$ $q = d$ $1p + 5n + 25q + 10d = 174$

5

$1.23

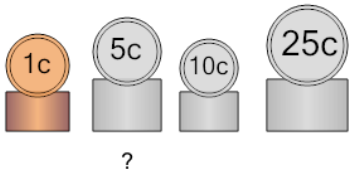


Some coins have a total value of $1.23 There are the same number of Pennies, Nickels, Dimes, and Quarters, and only those coins. What equations would help us solve?

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

6

$0.41

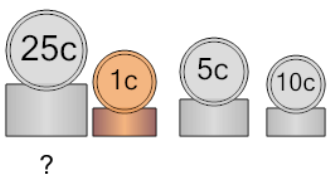


Some coins have a total value of $0.41 There are the same number of Pennies, Nickels, Dimes, and Quarters, and only those coins. What equations would help us solve?

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

7

$1.89

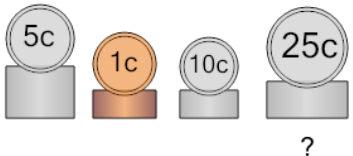


Some coins have a total value of $1.89 There are the same number of Pennies, Nickels, and Dimes but a different number of Quarters. What equations would help us solve?

A	B
$p = n$ $n = d$ $25q + 1p + 5n + 10d = 189$	$p = n$ $n = q$ $10d + 1p + 5n + 25q = 189$

8

$0.56



Some coins have a total value of $0.56 There are the same number of Pennies, Dimes, and Quarters but a different number of Nickels. What equations would help us solve?

A	B
$p = d$ $d = q$ $5n + 1p + 10d + 25q = 56$	$p = q$ $q = n$ $10d + 1p + 25q + 5n = 56$