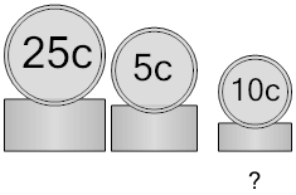
Name

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

1

$0.90

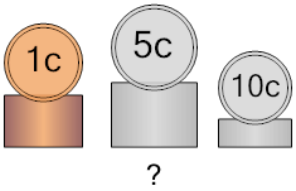


Some coins have a total value of $0.90 There are the same number of Nickels and Dimes but a different number of Quarters. What equations would help us solve?

A	B
$n = d$	$d = q$
$25q + 5n + 10d = 90$	$5n + 10d + 25q = 90$

2

$0.70

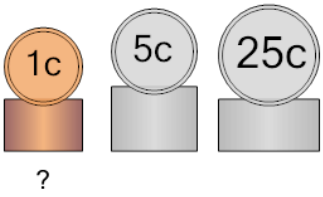


Some coins have a total value of $0.70 There are the same number of Pennies and Nickels but a different number of Dimes. What equations would help us solve?

A	B
$p = n$	$p = d$
$1p + 5n + 10d = 70$	$1p + 10d + 5n = 70$

3

$0.93

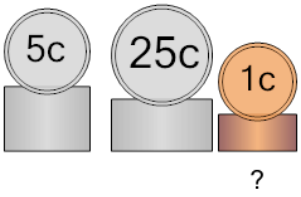


Some coins have a total value of $0.93 There are the same number of Pennies, Nickels, and Quarters, and only those coins. What equations would help us solve?

A	B
$q = p$ $p = n$	$p = n$ $n = q$
$25q + 1p + 5n = 93$	$1p + 5n + 25q = 93$

4

$1.23

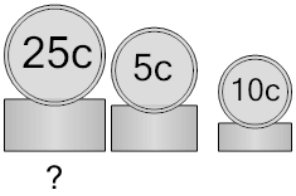


Some coins have a total value of $1.23 There are the same number of Nickels and Quarters but a different number of Pennies. What equations would help us solve?

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

5

$1.45

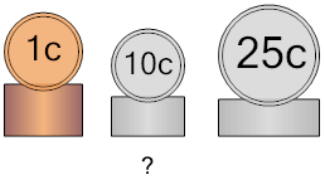


Some coins have a total value of $1.45 There are the same number of Nickels and Dimes but a different number of Quarters. What equations would help us solve?

A	B
$n = q$	$n = d$
$10d + 5n + 25q = 145$	$25q + 5n + 10d = 145$

6

$0.83

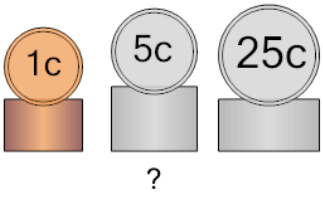


Some coins have a total value of $0.83 There are the same number of Pennies and Dimes but a different number of Quarters. What equations would help us solve?

A	B
$d = p$	$p = d$
$10d + 1p + 25q = 83$	$1p + 10d + 25q = 83$

7

$1.24

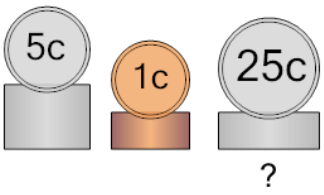


Some coins have a total value of $1.24 There are the same number of Pennies, Nickels, and Quarters, and only those coins. What equations would help us solve?

A	B
$p = n$ $n = q$	$p = q$ $q = n$
$1p + 5n + 25q = 124$	$1p + 25q + 5n = 124$

8

$0.46



Some coins have a total value of $0.46 There are the same number of Pennies and Quarters but a different number of Nickels. What equations would help us solve?

A	B
$p = n$	$p = q$
$25q + 1p + 5n = 46$	$5n + 1p + 25q = 46$