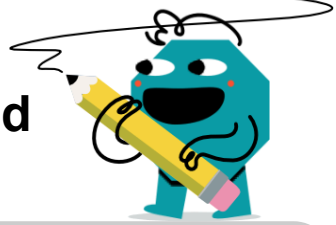
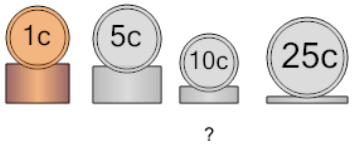
Name

Algebra with Coins - X More of Coin and Total - Four Coin Types - to Equations



1

$1.05

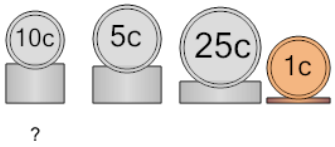


Some coins have a total value of $1.05. There are 1 more Pennies than Nickels, 1 more Nickels than Dimes, and 1 more Dimes than Quarters. What equations would help us solve?

A	B
$n = p + 1$	$p = n + 1$
$p = d + 1$	$n = d + 1$
$d = q + 1$	$d = q + 1$
$5n + 1p + 10d + 25q = 105$	$1p + 5n + 10d + 25q = 105$

2

$1.06

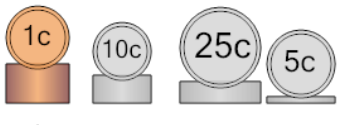


Some coins have a total value of $1.06. There are 1 more Dimes than Nickels, 1 more Nickels than Quarters, and 1 more Quarters than Pennies. What equations would help us solve?

A	B
$d = n + 1$	$n = d + 1$
$n = q + 1$	$d = q + 1$
$q = p + 1$	$q = p + 1$
$10d + 5n + 25q + 1p = 106$	$5n + 10d + 25q + 1p = 106$

3

$0.90

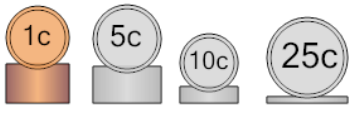


Some coins have a total value of $0.90. There are 2 more Pennies than Dimes, 1 more Dimes than Quarters, and 1 more Quarters than Nickels. What equations would help us solve?

A	B
$p = d + 2$	$p = q + 2$
$d = q + 1$	$q = d + 1$
$q = n + 1$	$d = n + 1$
$1p + 10d + 25q + 5n = 90$	$1p + 25q + 10d + 5n = 90$

4

$0.82

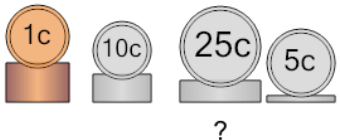


Some coins have a total value of $0.82. There are 3 more Pennies than Nickels, 1 more Nickels than Dimes, and 2 more Dimes than Quarters. What equations would help us solve?

A	B
$p = q + 3$	$p = n + 3$
$q = d + 1$	$n = d + 1$
$d = n + 2$	$d = q + 2$
$1p + 25q + 10d + 5n = 82$	$1p + 5n + 10d + 25q = 82$

5

$0.90

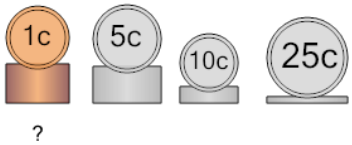


Some coins have a total value of $0.90. There are 2 more Pennies than Dimes, 1 more Dimes than Quarters, and 1 more Quarters than Nickels. What equations would help us solve?

A	B
$n = d + 2$	$p = d + 2$
$d = q + 1$	$d = q + 1$
$q = p + 1$	$q = n + 1$
$5n + 10d + 25q + 1p = 90$	$1p + 10d + 25q + 5n = 90$

6

$0.72



Some coins have a total value of $0.72. There are 3 more Pennies than Nickels, 2 more Nickels than Dimes, and 1 more Dimes than Quarters. What equations would help us solve?

A	B
$q = n + 3$	$p = n + 3$
$n = d + 2$	$n = d + 2$
$d = p + 1$	$d = q + 1$
$25q + 5n + 10d + 1p = 72$	$1p + 5n + 10d + 25q = 72$