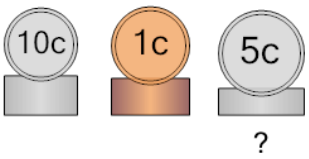
Name

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

1

$0.48

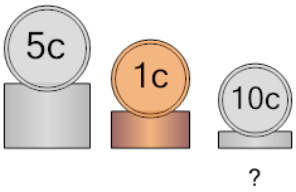


Some coins have a total value of $0.48. There are 1 more Dimes than Pennies and 2 more Pennies than Nickels. What equations would help us solve?

A	B
$d = p + 1$	$p = d + 1$
$p = n + 2$	$d = n + 2$
$10d + 1p + 5n = 48$	$1p + 10d + 5n = 48$

2

$0.43

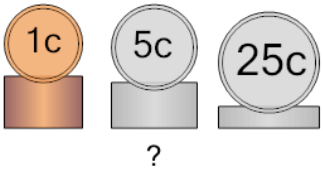


Some coins have a total value of $0.43. There are 1 more Nickels than Pennies and 1 more Pennies than Dimes. What equations would help us solve?

A	B
$p = n + 1$	$n = p + 1$
$n = d + 1$	$p = d + 1$
$1p + 5n + 10d = 43$	$5n + 1p + 10d = 43$

3

$0.44

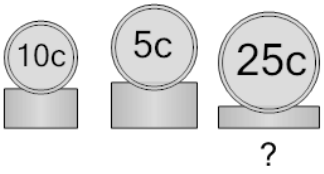


Some coins have a total value of $0.44. There are 1 more Pennies than Nickels and 2 more Nickels than Quarters. What equations would help us solve?

A	B
$q = n + 1$	$p = n + 1$
$n = p + 2$	$n = q + 2$
$25q + 5n + 1p = 44$	$1p + 5n + 25q = 44$

4

$1.05

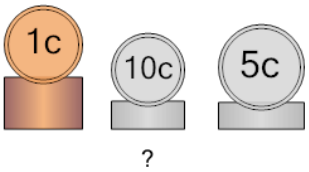


Some coins have a total value of $1.05. There are 1 more Dimes than Nickels and 1 more Nickels than Quarters. What equations would help us solve?

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

5

$0.44

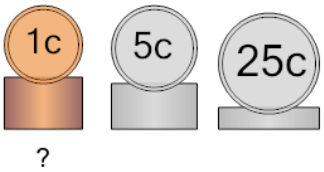


Some coins have a total value of $0.44. There are 1 more Pennies than Dimes and 1 more Dimes than Nickels. What equations would help us solve?

A	B
$d = p + 1$	$p = d + 1$
$p = n + 1$	$d = n + 1$
$10d + 1p + 5n = 44$	$1p + 10d + 5n = 44$

6

$0.44

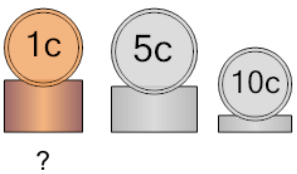


Some coins have a total value of $0.44. There are 1 more Pennies than Nickels and 2 more Nickels than Quarters. What equations would help us solve?

A	B
$p = n + 1$	$p = q + 1$
$n = q + 2$	$q = n + 2$
$1p + 5n + 25q = 44$	$1p + 25q + 5n = 44$

7

$0.29

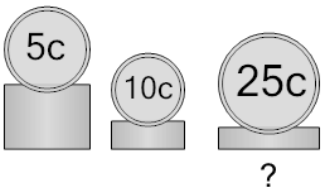


Some coins have a total value of $0.29. There are 1 more Pennies than Nickels and 2 more Nickels than Dimes. What equations would help us solve?

A	B
$p = d + 1$	$p = n + 1$
$d = n + 2$	$n = d + 2$
$1p + 10d + 5n = 29$	$1p + 5n + 10d = 29$

8

$0.75



Some coins have a total value of $0.75. There are 1 more Nickels than Dimes and 2 more Dimes than Quarters. What equations would help us solve?

A	B
$q = d + 1$	$n = d + 1$
$d = n + 2$	$d = q + 2$
$25q + 10d + 5n = 75$	$5n + 10d + 25q = 75$