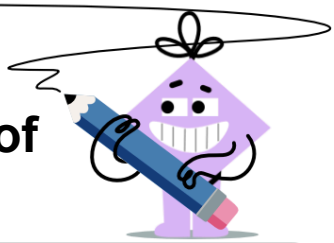
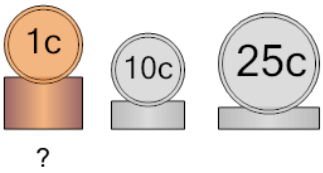
Name



Algebra with Coins - X Times as Many of Coin and Total - Three Coin Types - to Equations

1

$0.49

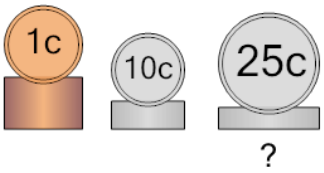


Some coins have a total value of $0.49. There are 2 times as many Pennies than Dimes and 2 times as many Dimes than Quarters. What equations would help us solve?

A	B
$p = 2d$ $d = 2q$ $1p + 10d + 25q = 49$	$d = 2p$ $p = 2q$ $10d + 1p + 25q = 49$

2

$0.49

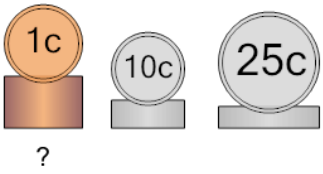


Some coins have a total value of $0.49. There are 2 times as many Pennies than Dimes and 2 times as many Dimes than Quarters. What equations would help us solve?

A	B
$q = 2d$ $d = 2p$ $25q + 10d + 1p = 49$	$p = 2d$ $d = 2q$ $1p + 10d + 25q = 49$

3

$0.98

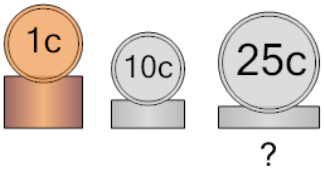


Some coins have a total value of $0.98. There are 2 times as many Pennies than Dimes and 2 times as many Dimes than Quarters. What equations would help us solve?

A	B
$p = 2d$ $d = 2q$ $1p + 10d + 25q = 98$	$p = 2q$ $q = 2d$ $1p + 25q + 10d = 98$

4

$1.47

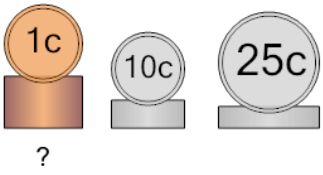


Some coins have a total value of $1.47. There are 2 times as many Pennies than Dimes and 2 times as many Dimes than Quarters. What equations would help us solve?

A	B
$p = 2d$ $d = 2q$ $1p + 10d + 25q = 147$	$p = 2q$ $q = 2d$ $1p + 25q + 10d = 147$

5

$1.47

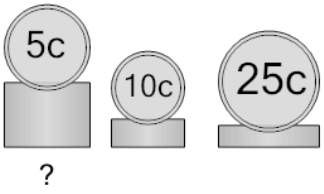


Some coins have a total value of $1.47. There are 2 times as many Pennies than Dimes and 2 times as many Dimes than Quarters. What equations would help us solve?

A	B
$p = 2d$ $d = 2q$ $1p + 10d + 25q = 147$	$d = 2p$ $p = 2q$ $10d + 1p + 25q = 147$

6

$1.30

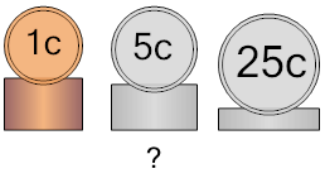


Some coins have a total value of $1.30. There are 2 times as many Nickels than Dimes and 2 times as many Dimes than Quarters. What equations would help us solve?

A	B
$q = 2d$ $d = 2n$ $25q + 10d + 5n = 130$	$n = 2d$ $d = 2q$ $5n + 10d + 25q = 130$

7

$0.39

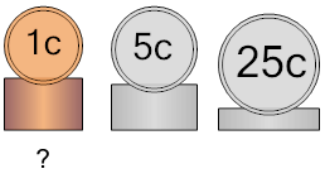


Some coins have a total value of $0.39. There are 2 times as many Pennies than Nickels and 2 times as many Nickels than Quarters. What equations would help us solve?

A	B
$n = 2p$ $p = 2q$ $5n + 1p + 25q = 39$	$p = 2n$ $n = 2q$ $1p + 5n + 25q = 39$

8

$1.17



Some coins have a total value of $1.17. There are 2 times as many Pennies than Nickels and 2 times as many Nickels than Quarters. What equations would help us solve?

A	B
$p = 2q$ $q = 2n$ $1p + 25q + 5n = 117$	$p = 2n$ $n = 2q$ $1p + 5n + 25q = 117$