## Answer on Question #53315 – Math – Algebra

## Question

Gary and Fred find some money. They find 4 different coins. Gary takes some of the money. He has 7p more than Fred. Write down the coins Gary and Fred could each have,

## Solution

Penny coin is in denominations of 1p, 2p, 5p,10p,20p,50p.

So assume that Fred has "x"p, but Gary has 7p more than Fred, therefore Gary has "(x+7)"p.

They find 4 different coins, that's why denominations of each coins are different.

x+x+7=sum of coins. This expression satisfying these coins denominations: 2p,20p,5p and 10p.

sum of coins=2+5+10+20=37p.

So Fred has 15p=5p+10p and Gary has 22p=20p+2p.

Answer: Fred has 15p=5p+10p and Gary has 22p=20p+2p.