

## Coin Collections Challenge

### You will need:

- Ten 10p coins and ten 1p coins
- A 1-6 dice

### What to do:

Roll the dice. Take that number of 10p coins.  
Roll the dice. Take that number of 1p coins.  
How much money do you have?



**Don't** put the coins back.  
Repeat as above.  
How much money do you have this time?



Now collect all the 10p coins together.  
How much is this?  
Collect all the 1p coins together.  
How much is this?  
How much money do you have altogether?  
Write the additions to describe what you did.



Repeat rolling the dice to make two amounts of money, then collecting the 10ps and the 1ps to find the total.

What is the biggest total you made?  
And the smallest?

e.g.

$$34p + 23p$$

$$= 30p + 20p + 4p + 3p$$

$$= 50p + 7p$$

$$= 57p$$