







Some Ideas

Work in a methodical way, recording your results carefully as you go.

It is a good idea to go through all the possibilities in order, starting with the highest value coin (10p), and then the next highest (5p) and seeing which other coins can be used to make 10 pence.

How do you know that you have got all the ways of getting a 5p piece in your change?



When you have found all the possible ways can you change the amount of change?

Perhaps start with 3p change

Then move to 4p change

Then 5p.....

And find all the possibilities for each amount.

Investigate 10p change

Answer guide 1

Here are some possible answers and notes for guidance.

This is a good investigation to carry out in years 2 or 3, when children have gained confidence in counting up to ten and adding small numbers together.

It would be very useful to have a set of plastic coins available.

Children could record their results in a number of ways - perhaps drawing the coins, or just writing down their values.

eg 5p + 2p + 2p + 1p = 10p

Once again being systematic is the key to answering this investigation.

To begin with most children will work in a fairly random way, collecting coins that equal 10 pence. After a while they should be encouraged to work in a more systematic way.

If they enjoyed this challenge then they could go on to investigate how to make other amounts: it would be better to start with small amounts

Egmake 1p1pmake 2p1p and 1por2pmake 3p1p, 1p and 1por2p and 1pmake 4p1p, 1p, 1p and 1por2p, 1p and 1por

<u>de 2</u>	
e value of 10 pence:	
1p	
1p 1p	
2p	
1p 1p	
1p 1p 1p	
1p 1p 1p 1p	
1p 1p 1p 1p 1p	
lp 1p 1p 1p 1p 1p ⁻	1р
	1p 1p 1p 1p 1p 2p 1p 1p