## Lesson 5 - Measurement: Money - Make the Same Amount

NC Objective:
Recognise and use symbols for pounds $(£)$ and pence ( $p$ ); combine amounts to make a particular value.
Find different combinations of coins that equal the same amounts of money.

Resources needed:
Differentiated Sheets
Teaching Slides
Coins and Notes

Vocabulary:
Coins, Pounds, Pence, Compare

Children explore the different ways of making the same amount. As before, they will not count pence over into pounds.
Examples need to be modelled where pounds and pence are together but children need to continue to be encouraged to count the pounds and pence separately.

## Key Questions:

Can the same amount be made using different coins? How did you compare the amounts?
How is your way different to a partner? Can you swap a coin/note for others and still make the same mount?
What is the smallest amount of coins you can use to make?

| W Working Towards | W Working Within | K Greater Depth |
| :---: | :---: | :---: |
|  |  |  |
| Children are given smaller values to match. Pounds and pence are separate. | Children at this stage still have separate pounds and pence, but the pence are now a mix of tens and ones. | Children will need knowledge of different ways to make $£ 1$. They identify the same values of mixed pounds and pence. |
| Reasoning \& Problem Solving |  |  |
|  |  |  |

Children will solve two reasoning questions combining coins into different groups.

Match the same amounts.


Match the same amounts.


Match the same amounts.


Match the same amounts.


Match the same amounts.


Match the same amounts.


Make 50p in two ways using the coins below.
You can use the coins more than once.

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Make 50p in two ways using the coins below.
You can use the coins more than once.


How many ways can you make 10p using only copper coins?


Did you use a strategy?

Make 50p in two ways using the coins below.
You can use the coins more than once.


How many ways can you make 10p using only copper coins?

Did you use a strategy?

Example answers:
$2 p, 2 p, 2 p, 2 p, 2 p, 2 p$
$2 p, 2 p, 2 p, 2 p, 1 p, 1 p$

Example answers: 20p, 20p, 10p. 10p, 10p, 10p, 10p, 10p

Make 50p in two ways using the coins below.
You can use the coins more than once.
How many ways can you make 10p using only copper coins?

Did you use a strategy?

Example answers:
$2 p, 2 p, 2 p, 2 p, 2 p, 2 p$
$2 p, 2 p, 2 p, 2 p, 1 p, 1 p$

Example answers: 20p, 20p, 10p.

Make 60p in two different ways using the coins below.

You can use the coins more than once.


How many ways can you make 10p using only copper coins?

Did you use a strategy?


Make 60p in two different ways using the coins below.

You can use the coins more than once.


Did you use a strategy?


Make 60p in two different ways using the coins below.

You can use the coins more than once.


Example answers: 20p, 20p, 20p 20p, 20p, 10p, 5p, 5p.


How many ways can you make 10p using only copper coins?

Did you use a strategy?

Example answers:
$2 p, 2 p, 2 p, 2 p, 2 p, 2 p$
$2 p, 2 p, 2 p, 2 p, 1 p, 1 p$

Make 60p in two different ways using the coins below.

You can use the coins more than once.


Example answers: 20p, 20p, 20p 20p, 20p, 10p, 5p, 5p.

How many ways can you make 10p using only copper coins?

Did you use a strategy?

Example answers:
$2 p, 2 p, 2 p, 2 p, 2 p, 2 p$
$2 p, 2 p, 2 p, 2 p, 1 p, 1 p$

Make the sum of nineteen pence and twenty-two pence in three different ways using the coins below.

You can use the coins more than once.

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How many ways can you make 12 p using only copper coins?

Try to use a strategy so you find all the ways easily.

Make the sum of nineteen pence and twenty-two pence in three different ways using the coins below.

You can use the coins more than once.
You can use the coins morethan once.



How many ways can you make 12 p using only copper coins?

Try to use a strategy so you find all the ways easily.

Make the sum of nineteen pence and twenty-two pence in three different ways using the coins below.

You can use the coins more than once.


Example answers: 20p, 20p, 1p, 10p, 10p, 10p, 10p, 1p 20p, 10p, 5p, 5p, 1p


How many ways can you make 12 p using only copper coins?

Try to use a strategy so you find all the ways easily.

Example answers:
$2 p, 2 p, 2 p, 2 p, 2 p, 2 p$
$2 p, 2 p, 2 p, 2 p, 2 p, 1 p, 1 p$
$2 p, 2 p, 2 p, 2 p, 1 p, 1 p, 1 p, 1 p$


Make the sum of nineteen pence and twenty-two pence in three different ways using the coins below.

You can use the coins more than once.


How many ways can you make 12 p using only copper coins?

Try to use a strategy so you find all the ways easily.

Example answers:

$$
2 p, 2 p, 2 p, 2 p, 2 p, 2 p
$$

$2 p, 2 p, 2 p, 2 p, 2 p, 1 p, 1 p$
$2 p, 2 p, 2 p, 2 p, 1 p, 1 p, 1 p, 1 p$

