## Diving into Mastery <br> $\int^{(3)} \times$

## Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:


These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

## Aim

- Add and subtract amounts of money to give change, using both $£$ and $p$ in practical contexts.

What is the total value of the coins?
Find groups of $£ 1$ (or 100p) to help you.


There are 2 whole pounds.
There are 85 pence left over.
So there is $£ \_2$ and 8 p.

## What is the total value of the coins?

Find groups of $£ 1$ (or 100p) to help you.


There are 4 whole pounds. There are 32 pence left over.
So there is $£ \xrightarrow{4}$ and 32 p.

$$
\begin{gathered}
50 p+20 p+20 p+10 p=£ 1 \\
50 p+20 p+10 p+10 p+10 p=£ 1 \\
50 p+10 p+10 p+10 p+10 p= \\
10 p=£ 1
\end{gathered}
$$

## Convert Pounds and Pence Diving

Write each amount in pounds and pence.

b 400 pence $£ 4$
c
607 pence
£6 and 7 pence
d 998 pence
£9 and 98 pence


Match the amount to the owner.


Freddie and Polly have these coins.


Freddie is correct. The coins total $£ 3$ and 20 pence. $£ 3$ is the same as 300 pence and 20 pence more makes 320 pence in total, which is more than 300 pence.

Polly has some silver-coloured coins - each coin is less than $£ 1$. Altogether, she has $£ 2$ and 15 pence.
Show 4 different combinations of coins that Polly may have.

There are many possible answers, for example:


Ada has these coins in her purse.


She selects 4 coins to pay for a lolly.
Find all of the different amounts that Ada could have paid. Which combinations of coins make exactly $£ 1$ and which are more than $£ 1$ ?

| Exactly $£ 1$ | More Than $£ 1$ |
| :--- | :--- |
| $50 p+20 p+20 p+10 p=£ 1$ | $50 p+50 p+20 p+20 p=£ 1$ <br> and 40pence <br> $50 p+50 p+20 p+10 p=£ 1$ <br> and 30 pence |

## Convert Pounds and Pence

Dive in by completing your own activity!


## Need Planning to Complement this Resource?

## National Curriculum Aim

Add and subtract amounts of money to give change, using both $£$ and $p$ in practical contexts.

For more planning resources to support this aim, click here.


Twinkl Planlt is our award-winning scheme of work with over 4000 resources.


