# Diving into Mastery – Diving

## Adult Guidance with Question Prompts

Children identify the coins to work out how much is used to pay. They use subtraction to find the amount of change. They need to know that £1 = 100p and use this information to find change when £1 is paid. They can also use number bonds to 100 to help with this.

How many pence are in £1?

In your calculation will you write £1 – 98p or 100p – 98p? Why?

How much was paid by Anna?

How do you know?

What subtraction calculation should we write?

Which number goes first?

Why?

What method will you use to find the answer?

Is that an efficient method?

How much change did she get?

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## Find Change

Anna visits 4 shops. Work out how much change she got.

| She Buys... | She pays with... | Write the calculation |
|---|---|---|
| Fruit Shop 98p  |  | __ __ __ - __ __ __ <br><br> = __ __ __ |
| Bakery 40p  |  | __ __ __ - __ __ __ <br><br> = __ __ __ |
| Toy Shop 75p  |  | __ __ __ - __ __ __ <br><br> = __ __ __ |
| Sweet Shop 69p  |  | __ __ __ - __ __ __ <br><br> = __ __ __ |

# Diving into Mastery – Deeper

## Adult Guidance with Question Prompts

Children will need to use their knowledge of number bonds to 10 or counting back.

How much is the apple?

How many pounds did Jake use to pay?

How many pence did Jake use to pay?

What subtraction calculation could you write?

What method will you use to solve it?

Why have you chosen that method?

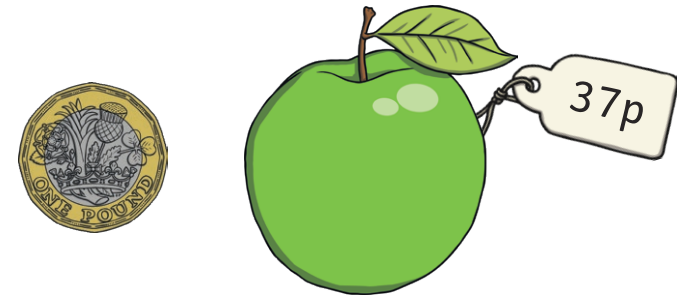How much change should Jake have got?

What mistake do you think the shopkeeper has made?

What coins could Jake have got in his change?

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Jake bought an apple for 37p.
He paid with this coin:

37p

He was given some change:

Jake thinks he's been given the wrong change.

What do you think?

Explain your answer.

If Jake bought a banana for 42p instead, how much change would he get?
What coins could he be given?

# Diving into Mastery – Deepest

## Adult Guidance with Question Prompts

Children work out how much money Jasmine has from looking at the coins. They should recognise that she needs to spend all the coins to pay. They write a subtraction calculation and work out the answer. They may need coins to explore different possible combinations for the change.

What coins does Jasmine have?

What is the total value of her coins?

How much does she owe?

Which of her coins will she need to give to the cashier?

Why can't she give them two of her coins?

Can you write the subtraction calculation?

What method will you choose to find the answer?

Why have you chosen that method?

How much change will she get?

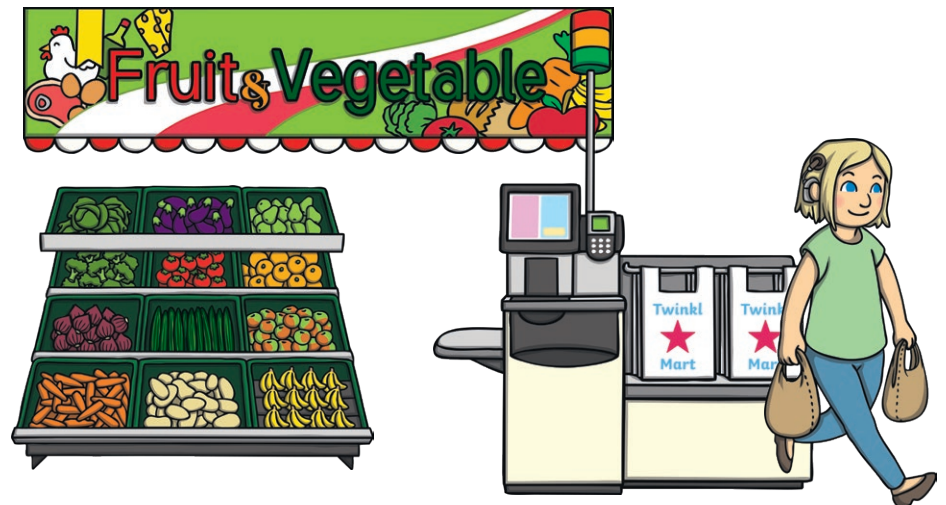What coins could she have?

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## Find Change

Jasmine goes to the supermarket.
She has these coins:



Her items cost 78p.



Which coins will she use to pay?

How much change will she get?

What coins could she have in her change?

Find 5 different possibilities.