

Lesson 9 – Measurement: Money – Finding Change

NC Objective:

Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change

Resources needed:

Differentiated Sheets
Teaching Slides
Money

Vocabulary:

Money, subtraction, change, converting, number bond

Children build on their subtraction skills by finding change from a given amount. They need to identify amounts from the coins given, write the calculations and choose efficient methods. In this step, children will be introduced to converting £1 to 100 p to be able to subtract from £1. This links to their number bond knowledge to 100.

Key Questions:

- How much does ____ have? How do you know?
- Can you write a calculation to work out how much she will have left?
- Why is it important to use to £ or p symbol?
- What strategy did you use to find the change?
- Did you use concrete objects to help?

★ Working Towards

★★ Working Within

★★★ Greater Depth

Children on this sheet find change from one coin.

Some children may use a subtraction number sentence, or count upwards showing an addition number sentence.

Children on this sheet find change from one or two coins.

They answer word problems. Some children may use a subtraction number sentence, or count upwards showing an addition number sentence.

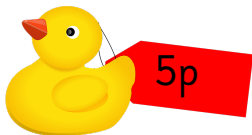
Children on this sheet find change from more than one coin and more than one item.

They answer complex word problems. Some children may use a subtraction number sentence, or count upwards showing an addition number sentence.

Reasoning & Problem Solving

How much change? Show your working out.

I use this coin to pay for the rubber duck.



Write the calculation to find the change.

I use this coin to pay for the spade.



Write the calculation to find the change.

I use this coin to pay for the cake.



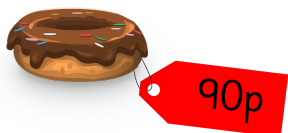
Write the calculation to find the change.

I use this coin to pay for the hat.



Write the calculation to find the change.

I use this coin to pay for the doughnut.



Write the calculation to find the change.

I use this coin to pay for the hot chocolate.



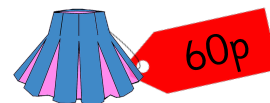
Write the calculation to find the change.

I use this coin to pay for the pizza.



Write the calculation to find the change.

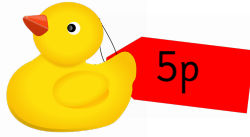
I use this coin to pay for the skirt.



Write the calculation to find the change.

How much change? Show your working out.

I use this coin to pay for the rubber duck.



Write the calculation to find the change.

$$10p - 5p = 5p$$

I use this coin to pay for the spade.



Write the calculation to find the change.

$$100p - 70p = 30p$$

I use this coin to pay for the cake.



Write the calculation to find the change.

$$10p - 9p = 1p$$

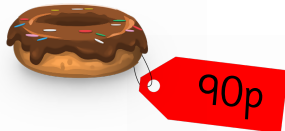
I use this coin to pay for the hat.



Write the calculation to find the change.

$$100p - 30p = 70p$$

I use this coin to pay for the doughnut.



Write the calculation to find the change.

$$100p - 10p = 90p$$

I use this coin to pay for the hot chocolate.



Write the calculation to find the change.

$$20p - 10p = 10p$$

I use this coin to pay for the pizza.



Write the calculation to find the change.

$$50p - 20p = 30p$$

I use this coin to pay for the skirt.

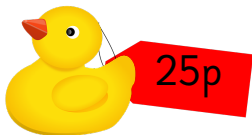


Write the calculation to find the change.

$$100p - 60p = 40p$$

How much change? Show your working out.

I use these coins to pay for this rubber duck.



Write the calculation to find the change.

I use this coin to pay for the spade.



Write the calculation to find the change.

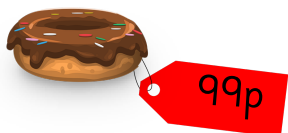
Rosie spends 67p in a shop.
She pays with a £1 coin.

How much change will she receive?

Zach spends 23p in a shop.
He pays with a 50p coin.

How much change will he receive?

I use this coin to pay for the doughnut.



Write the calculation to find the change.

I use these coins to pay for the hot chocolate.



Write the calculation to find the change.

Malachi spends 15p in a shop.
He pays with two 20p coins.

How much change will he receive?

Rosie spends 64p in a shop.
She pays with seven 10p coins.

How much change will she receive?

How much change? Show your working out.

I use these coins to pay for this rubber duck.



Write the calculation to find the change.

$$30p - 25p = 5p$$

I use this coin to pay for the spade.



Write the calculation to find the change.

$$100p - 79p = 21p$$

Rosie spends 67p in a shop.
She pays with a £1 coin.

How much change will she receive?

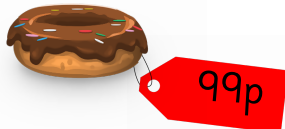
33p

Zach spends 23p in a shop.
He pays with a 50p coin.

How much change will he receive?

27p

I use this coin to pay for the doughnut.



Write the calculation to find the change.

$$100p - 99p = 1p \quad \text{or}$$

$$99p + 1p = 100p$$

I use these coins to pay for the hot chocolate.



Write the calculation to find the change.

$$100p - 80p = 20p \quad \text{or}$$

$$80p + 20p = 100p$$

Malachi spends 15p in a shop.
He pays with two 20p coins.

How much change will he receive?

25p

Rosie spends 64p in a shop.
She pays with seven 10p coins.

How much change will she receive?

6p

How much change? Show your working out.

I use these coins to pay for the items below.



Write the calculation to find the change.

I use this coin to pay for the items below.



Write the calculation to find the change.

Rosie spends some money in a shop. She pays with a £1 coin and receives 26p change.

How much did she spend?

Malachi spends some money in a shop. He pays with four 20p coins and receives 13p change.

How much did he spend?

I use these coins to pay for the items below.



Write the calculation to find the change.

I use these coins to pay for the items below.



Write the calculation to find the change.

Malachi spends 45p in a shop. He pays with seven 20p coins.

How much change will he receive?

Rosie spends 64p in a shop. She pays with five coins and received 1p change.

What coins did she use?



How much change? Show your working out.

I use these coins to pay for the items below.



$$25p + 39p = 64$$

Write the calculation to find the change.

$$80p - 64p = 16p$$

I use this coin to pay for the items below.



19p

67p

$$19p + 67p = 86$$

Write the calculation to find the change.

$$200p - 86p = 114p$$

Rosie spends some money in a shop.
She pays with a £1 coin and receives 26p
change.

How much did she spend?

74p

Malachi spends some money in a shop.
He pays with four 20p coins and receives
13p change.

How much did he spend?

67p

I use these coins to pay for the items below.



80p

23p

$$80p + 23p = 103p$$

Write the calculation to find the change.

$$105 - 103 = 2p$$

I use these coins to pay for the items below.



99p

5p

$$99p + 5p = 104p$$

Write the calculation to find the change.

$$110 - 104 = 6p$$

Malachi spends 45p in a shop.
He pays with seven 20p coins. 140p

How much change will he receive?

95p

Rosie spends 64p in a shop.
She pays with five coins and received 1p
change.

What coins did she use?

Rosie handed over 65p.

5p 10p 10p 20p 20p



Zach says:



I have 50 p.
My change is less than 10 p.



Cupcake: 24 p



Pineapples: 39 p



Rubber: 13 p



Candle: 31 p

What could Zach have bought?

Tia has paid for her shopping with one silver coin.
Here is her change:



Which card shows the correct coin she has paid with and the correct price of the item?



Price: 16 p



Price: 34 p



Price: 36 p



Zach says:



I have 50 p.
My change is less than 10 p.



Cupcake: 24 p



Pineapples: 39 p



Rubber: 13 p



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Pineapples: 39 p



Rubber: 13 p



Candle: 31 p

What could Zach have bought?

Cupcake and rubber or a candle and rubber.

Tia has paid for her shopping with one silver coin.
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Cupcake: 24 p



Pineapples: 39 p



Rubber: 13 p



Juice: 27p



Candle: 31p

What could Zach have bought?

Tia has paid for her shopping with one silver coin.
Here is her change:



What could she have paid with and how much would the item have been?



Zach says:

I have 50 p.
My change is less than 20 p.



Cupcake: 24 p



Pineapples: 39 p



Rubber: 13 p



Juice: 27p



Candle: 31p

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What could she have paid with and how much would the item have been?



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Cupcake: 24 p



Pineapples: 39 p



Rubber: 13 p



Juice: 27p



Candle: 31p

What could Zach have bought?

Pineapples, or a candle or a cupcake and rubber
or a candle and rubber or a juice and rubber.

Tia has paid for her shopping with
one silver coin.
Here is her change:



What could she have paid with and how much
would the item have been?

Tia could pay with a 20 p coin or a 50 p coin.
If she has paid with a 20 p coin, the price of the
item would have been 4 p.
If she has paid with a 50 p coin, the price of the
item would have been 34 p.



Zach says:



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My change is less than 20 p.



Cupcake: 24 p



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Rubber: 13 p



Juice: 27p



Candle: 31p

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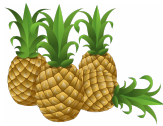


Zach says:

I have 50 p.
My change is more than 10 p
but less than 15 p.



Cupcake: 24 p



Pineapples: 39 p



Rubber: 13 p



Juice: 25p



Candle: 31p

What could Zach have bought?

Tia has paid for her shopping with one coin.

Here is her change:



What could she have paid with and how much would the item have been?



Zach says:

I have 50 p.
My change is more than 10 p
but less than 15 p.



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Pineapples: 39 p



Rubber: 13 p



Juice: 25p



Candle: 31p

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My change is more than 10 p
but less than 15 p.



Cupcake: 24 p



Pineapples: 39 p



Rubber: 13 p



Juice: 25p



Candle: 31p

What could Zach have bought?

Pineapples, or a candle or a cupcake and rubber
or a juice and rubber.

Tia has paid for her shopping with one coin.

Here is her change:



What could she have paid with and how much
would the item have been?

Tia could pay with a 20 p coin or a 50 p coin or a £1
coin or a £2 coin.

If she has paid with a 20 p coin, the price of the item
would have been 4 p.

If she has paid with a 50 p coin, the price of the item
would have been 34 p.

If she has paid with a £1 coin, the price of the item
would have been 84 p.

If she has paid with a £2 coin, the price of the item
would have been £1 and 84 p.



Zach says:

I have 50 p.
My change is more than 10 p
but less than 15 p.



Cupcake: 24 p



Pineapples: 39 p



Rubber: 13 p



Juice: 25p



Candle: 31p

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Pineapples, or a candle or a cupcake and rubber
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coin or a £2 coin.

If she has paid with a 20 p coin, the price of the item
would have been 4 p.

If she has paid with a 50 p coin, the price of the item
would have been 34 p.

If she has paid with a £1 coin, the price of the item
would have been 84 p.

If she has paid with a £2 coin, the price of the item
would have been £1 and 84 p.