

## Lesson 5 – Measurement: Money – Give Change

### NC Objective:

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

### Resources needed:

Differentiated Sheets  
Teaching Slides

### Vocabulary:

Subtraction, change, part-whole model, number line

Children find change using a number line or the part-whole method. They can also work in pairs paying for items and receiving change.

### Key Questions:

What do we mean by 'change' in the context of money?

Which method do you find most effective?

How does the part-whole model help to solve the problem?

### ★ Working Towards

Solve these problems using a method of your choice.

<p>Eni buys some bananas for 80p. She pays with a £1 coin. How much change will she receive?</p>	<p>Alan buys some vegetables for 70p. He pays with a £1 coin. How much change will he receive?</p>
<p>Apple has £1. He buys a packet of crisps for 80p. How much change will she receive?</p>	<p>Sarah has £1. She buys a packet of biscuits for 80p. How much change will she receive?</p>
<p>Leanna has £10. She spends £7. How much change will she receive?</p>	<p>Cara has £10. She spends £7. How much change will she receive?</p>
<p>Rosa buys this teddy bear for £11 and 50p. She pays with a £20 note. How much change will she receive?</p>	<p>Cara buys this tin of paint for £11 and 50p. She pays with a £20 note. How much change will she receive?</p>

### ★★ Working Within

Solve these problems using a method of your choice.

<p>Eni buys some bananas for 80p. She pays with a £1 coin. How much change will she receive?</p>	<p>Alan buys some vegetables for 70p. He pays with a £1 coin. How much change will he receive?</p>
<p>Apple has £1. He buys a packet of crisps for 80p. How much change will she receive?</p>	<p>Sarah has £1. She buys a packet of biscuits for 80p. How much change will she receive?</p>
<p>Leanna has £10. She spends £7 and 50p. How much change will she receive?</p>	<p>Cara has £10. She spends £7 and 50p. How much change will she receive?</p>
<p>Rosa buys this teddy bear for £14 and 50p. She pays with a £20 note. How much change will she receive?</p>	<p>Cara buys this tin of paint for £11 and 50p. She pays with a £20 note. How much change will she receive?</p>

### ★★★ Greater Depth

Solve these problems using a method of your choice.

<p>Eni buys some bananas for 80p. She pays with a £1 coin. How much change will she receive?</p>	<p>Alan buys some vegetables for 70p. He pays with a £1 coin. How much change will he receive?</p>
<p>Apple has £1. He buys a packet of crisps for 80p. How much change will she receive?</p>	<p>Sarah has £1. She buys a packet of biscuits for 80p. How much change will she receive?</p>
<p>Leanna has £10. She spends £7 and 50p. How much change will she receive?</p>	<p>Cara has £10. She spends £7 and 50p. How much change will she receive?</p>
<p>Rosa buys this teddy bear for £14 and 50p. She pays with a £20 note. How much change will she receive?</p>	<p>Cara buys this tin of paint for £11 and 50p. She pays with a £20 note. How much change will she receive?</p>

On this sheet, children solve very simple calculations with just pence or pounds before proceeding to both pence and pounds.

On this sheet, children solve a variety of problems solving change with both pence and pounds.

On this sheet, children solve 2-step problems involving change.

## Reasoning & Problem Solving

**Give Change** ★ Reasoning & Problem Solving 3

Tia has bought a present with a £10 note. How much change does she get?

Malachi has £4. He buys a book and a pencil.

Which bar model represents the question? Explain how you know.

£4			
£1 and 30 p	80p		?
£1 and 30 p	80p		£4

Use the correct bar model to help you calculate how much change Malachi receives.

**Give Change** ★★ Reasoning & Problem Solving 3

Tia has bought a present with a £10 note. How much change does she get?

Malachi has £4 and 50p. He buys a book and a pencil.

Which bar model represents the question? Explain how you know.

£4 and 50p			
£1 and 30 p	£1 and 50p		?
£1 and 30 p	£1 and 50p		£4

Use the correct bar model to help you calculate how much change Malachi receives.

**Give Change** ★★★ Reasoning & Problem Solving 3

Tia has bought a present with a £10 note. How much change does she get?

Malachi has £5 and 90p. He buys a book, an eraser and a pencil.

Which bar model represents the question? Explain how you know.

£5 and 90p			
£2 and 30 p	80p less than £1 and 35 p		?
£2 and 30 p	80p less than £1 and 35 p		£5 and 90p

Use the correct bar model to help you calculate how much change Malachi receives.

Solve these problems using a method of your choice.



Esin buys some bananas for 40p.  
She pays with a £1 coin.

How much change will she receive?

Alvin buys some tangerines for 70p.  
He pays with a £1 coin.

How much change will he receive?



Jayda has £1.  
She buys a packet of crisps for 60p.

How much change will she receive?

Sami has £1.

He buys a packet of biscuits for 80p.

How much change will he receive?



Leanna has £10.

She spends £7.

How much change will she receive?



Cara has £10.

She spends £9.

How much change will she receive?

Rosie buys this teddy bear for £4 and 50p.

She pays with a £20 note.

How much change will she receive?



Cara buys this fire truck for £11 and 50p.

She pays with a £20 note.

How much change will she receive?



Solve these problems using a method of your choice.



Esin buys some bananas for 40p.  
She pays with a £1 coin.

How much change will she receive?

60p

Alvin buys some tangerines for 70p.  
He pays with a £1 coin.

How much change will he receive?

30p



Jayda has £1.  
She buys a packet of crisps for 60p.

How much change will she receive?

40p

Sami has £1.

He buys a packet of biscuits for 80p.

How much change will he receive?

20p



Leanna has £10.

She spends £7.

How much change will she receive?

£3



Cara has £10.

She spends £9.

How much change will she receive?

£1

Rosie buys this teddy bear for £4 and 50p.

She pays with a £20 note.

How much change will she receive?

£15 and 50p



Cara buys this fire truck for £11 and 50p.

She pays with a £20 note.

How much change will she receive?

£8 and 50p



Solve these problems using a method of your choice.



Esin buys some bananas for 87p.  
She pays with a £2 coin.

How much change will she receive?

Alvin buys some tangerines for 72p.  
He pays with a £5 note.

How much change will he receive?



Jayda has £1.  
She buys a packet of crisps for 68p.

How much change will she receive?

Sami has £1.

He buys a packet of biscuits for 89p.

How much change will he receive?



Leanna has £10.

She spends £2 and 99p.

How much change will she receive?



Cara has £10.

She spends £6 and 42p.

How much change will she receive?

Rosie buys this teddy bear for £4 and 99p.

She pays with a £20 note.

How much change will she receive?



Cara buys this fire truck for £11 and 39p.

She pays with a £20 note.

How much change will she receive?





Solve these problems using a method of your choice.



Esin buys some bananas for 87p.  
She pays with a £2 coin.

How much change will she receive?

**£1 and 13p**

Alvin buys some tangerines for 72p.  
He pays with a £5 note.

How much change will he receive?

**£4 and 28p**



Jayda has £1.  
She buys a packet of crisps for 68p.

How much change will she receive?

**32p**

Sami has £1.  
He buys a packet of biscuits for 89p.

How much change will he receive?

**11p**



Leanna has £10.

She spends £2 and 99p.

How much change will she receive?

**£7 and 1p**



Cara has £10.

She spends £6 and 42p.

How much change will she receive?

**£3 and 58p**

Rosie buys this teddy bear for £4 and 99p.

She pays with a £20 note.

How much change will she receive?

**£15 and 1p**



Cara buys this fire truck for £11 and 39p.

She pays with a £20 note.

How much change will she receive?

**£8 and 61p**





Solve these problems using a method of your choice.



One banana costs 27p. Esin buys 6.  
She pays with a £10 note.

How much change will she receive?

One tangerine costs 19p.  
Alvin buys 11 tangerines.  
He pays with a £50 note.

How much change will he receive?



Jayda has £20.  
She buys a packet of crisps for 68p  
and some cookies for 284p.

How much change will she receive?

Sami has £25.  
He buys a packet of biscuits for 389p  
and some chips for 199p.

How much change will he receive?



Leanna has £20.

1 item costs £2 and 99p. She buys 5 items.

How much change will she receive?



Cara has £20.

1 item costs £3 and 3p. She buys 4 items.

How much change will she receive?

Rosie buys a teddy bear for £4 and 99p and  
a fire truck for £7 and 38p.



She pays with a £20 note.  
How much change will she receive?

Alice buys a train for £7 and 13p and some  
blocks for £9 and 74p.



She pays with a £20 note.  
How much change will she receive?



Solve these problems using a method of your choice.



One banana costs 27p. Esin buys 6.  
She pays with a £10 note.

How much change will she receive?

**£8 and 38p**

One tangerine costs 19p.  
Alvin buys 11 tangerines.  
He pays with a £50 note.

How much change will he receive?

**£47 and 91p**



Jayda has £20.  
She buys a packet of crisps for 68p  
and some cookies for 284p.

How much change will she receive?

**£16 and 48p**

Sami has £25.  
He buys a packet of biscuits for 389p  
and some chips for 199p.

How much change will he receive?

**£19 and 12p**



Leanna has £20.

1 item costs £2 and 99p. She buys 5 items.

How much change will she receive?

**£5 and 5p**



Cara has £20.

1 item costs £3 and 3p. She buys 4 items.

How much change will she receive?

**£7 and 88p**

Rosie buys a teddy bear for £4 and 99p and  
a fire truck for £7 and 38p.



She pays with a £20 note.  
How much change will she receive?

**£7 and 63p**

Alice buys a train for £7 and 13p and some  
blocks for £9 and 74p.



She pays with a £20 note.  
How much change will she receive?

**£3 and 13p**

Tia has bought a present with a £10 note.

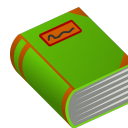
How much change does she get?



The shopkeeper gives her some coins for her change.

What coins could they be?  
Can you think of two different ways?

Malachi has £4.  
He buys a book and a pencil.



£1 and 30p



80p

Which bar model represents the question?  
Explain how you know.

£4		
£1 and 30p	80p	?

?		
£1 and 30p	80p	£4

Use the correct bar model to help you calculate how much change Malachi receives.

Tia has bought a present with a £10 note.

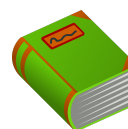
How much change does she get?



The shopkeeper gives her some coins for her change.

What coins could they be?  
Can you think of two different ways?

Malachi has £4.  
He buys a book and a pencil.



£1 and 30p



80p

Which bar model represents the question?  
Explain how you know.

£4		
£1 and 30p	80p	?

?		
£1 and 30p	80p	£4

Use the correct bar model to help you calculate how much change Malachi receives.



Tia has bought a present with a £10 note.

How much change does she get?



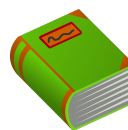
The shopkeeper gives her some coins for her change.

What coins could they be?  
Can you think of two different ways?

She receives £1 and 40p change.  
There are various answers,  
e.g. £1, 5p, 5p, 10p, 20p.

masterthecurriculum.co.uk

Malachi has £4.  
He buys a book and a pencil.



£1 and 30p



80p

Which bar model represents the question?  
Explain how you know.

£4		
£1 and 30p	80p	?
?		
£1 and 30p	80p	£4

Use the correct bar model to help you calculate how much change Malachi receives.

The first bar model is correct as the whole is £4 and we are calculating a part as Malachi has spent money.  
Malachi receives £1 and 90p change.

Tia has bought a present with a £10 note.

How much change does she get?



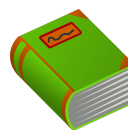
The shopkeeper gives her some coins for her change.

What coins could they be?  
Can you think of two different ways?

She receives £1 and 40p change.  
There are various answers,  
e.g. £1, 5p, 5p, 10p, 20p

masterthecurriculum.co.uk

Malachi has £4.  
He buys a book and a pencil.



£1 and 30p



80p

Which bar model represents the question?  
Explain how you know.

£4		
£1 and 30p	80p	?
?		
£1 and 30p	80p	£4

Use the correct bar model to help you calculate how much change Malachi receives.

The first bar model is correct as the whole is £4 and we are calculating a part as Malachi has spent money.  
Malachi receives £1 and 90p change.



Tia has bought a present with a £10 note.

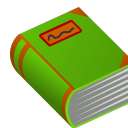
How much change does she get?



The shopkeeper gives her six coins for her change.

What coins could they be?

Malachi has £4 and 50p.  
He buys a book and a pencil.



£1 and 30p



£1 and 55p

Which bar model represents the question?  
Explain how you know.

£4 and 50p		
£1 and 30p	£1 and 55p	?

?		
£1 and 30p	£1 and 55p	£4

Use the correct bar model to help you calculate  
how much change Malachi receives.



Tia has bought a present with a £10 note.

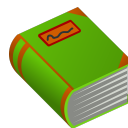
How much change does she get?



The shopkeeper gives her six coins for her change.

What coins could they be?

Malachi has £4 and 50p.  
He buys a book and a pencil.



£1 and 30p



£1 and 55p

Which bar model represents the question?  
Explain how you know.

£4 and 50p		
£1 and 30p	£1 and 55p	?

?		
£1 and 30p	£1 and 55p	£4

Use the correct bar model to help you calculate  
how much change Malachi receives.

Tia has bought a present with a £10 note.

How much change does she get?



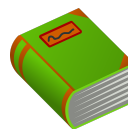
The shopkeeper gives her six coins for her change.

What coins could they be?

She receives £3 and 31p change.

There are various answers,  
e.g. £1, £2, 10p, 10p, 10p, 1p.

Malachi has £4 and 50p.  
He buys a book and a pencil.



£1 and 30p



£1 and 55p

Which bar model represents the question?  
Explain how you know.

£4 and 50p		
£1 and 30p	£1 and 55p	?
?		
£1 and 30p	£1 and 55p	£4

Use the correct bar model to help you calculate  
how much change Malachi receives.

The first bar model is correct as the whole is £4 and we  
are calculating a part as Malachi has spent money.  
Malachi receives £1 and 65p change.

Tia has bought a present with a £10 note.

How much change does she get?



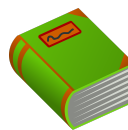
The shopkeeper gives her six coins for her change.

What coins could they be?

She receives £3 and 31p change.

There are various answers,  
e.g. £1, £2, 10p, 10p, 10p, 1p.

Malachi has £4 and 50p.  
He buys a book and a pencil.



£1 and 30p



£1 and 55p

Which bar model represents the question?  
Explain how you know.

£4 and 50p		
£1 and 30p	£1 and 55p	?
?		
£1 and 30p	£1 and 55p	£4

Use the correct bar model to help you calculate  
how much change Malachi receives.

The first bar model is correct as the whole is £4 and we  
are calculating a part as Malachi has spent money.  
Malachi receives £1 and 65p change.

Tia has bought a present with a £10 note.

How much change does she get?

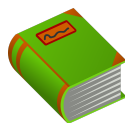


The shopkeeper gives her six coins for her change.

What coins could they be?

If her change contains only 1p coins, how many 1p coins would she receive?

Malachi has £5 and 99p.  
He buys a book, an eraser and a pencil.



£2 and 39p



80p less than  
the book



£1 and 35p

Which bar model represents the question?  
Explain how you know.

£5 and 99p			
£2 and 39p	80p less than the book	£1 and 35p	?
?			
£2 and 39p	80p less than the book	£1 and 35p	£5 and 99p

Use the correct bar model to help you calculate  
how much change Malachi receives.

Tia has bought a present with a £10 note.

How much change does she get?

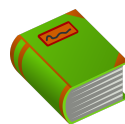


The shopkeeper gives her six coins for her change.

What coins could they be?

If her change contains only 1p coins, how many 1p coins would she receive?

Malachi has £5 and 99p.  
He buys a book, an eraser and a pencil.



£2 and 39p



80p less than  
the book



£1 and 35p

Which bar model represents the question?  
Explain how you know.

£5 and 99p			
£2 and 39p	80p less than the book	£1 and 35p	?
?			
£2 and 39p	80p less than the book	£1 and 35p	£5 and 99p

Use the correct bar model to help you calculate  
how much change Malachi receives.

Tia has bought a present with a £10 note.

How much change does she get?



The shopkeeper gives her six coins for her change.

What coins could they be?

Tia paid £6 and 69p.

She receives £3 and 31p change.

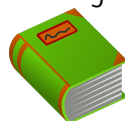
There are various answers,

e.g. £1, £2, 10p, 10p, 10p, 1p.

If her change contains only 1p coins, how many 1p coins would she receive?

331 one pence coins.

Malachi has £5 and 99p.  
He buys a book, an eraser and a pencil.



£2 and 39p



80p less than  
the book



£1 and 35p

Which bar model represents the question?  
Explain how you know.

£5 and 99p			
£2 and 39p	80p less than the book	£1 and 35p	?
?			
£2 and 39p	80p less than the book	£1 and 35p	£5 and 99p

Use the correct bar model to help you calculate  
how much change Malachi receives.

The first bar model is correct as the whole is £5 and 99p  
and we are calculating a part as Malachi has spent money  
Malachi receives 66p change.

Tia has bought a present with a £10 note.

How much change does she get?



The shopkeeper gives her six coins for her change.

What coins could they be?

Tia paid £6 and 69p.

She receives £3 and 31p change.

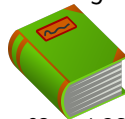
There are various answers,

e.g. £1, £2, 10p, 10p, 10p, 1p.

If her change contains only 1p coins, how many 1p coins would she receive?

331 one pence coins.

Malachi has £5 and 99p.  
He buys a book, an eraser and a pencil.



£2 and 39p



80p less than  
the book



£1 and 35p

Which bar model represents the question?  
Explain how you know.

£5 and 99p			
£2 and 39p	80p less than the book	£1 and 35p	?
?			
£2 and 39p	80p less than the book	£1 and 35p	£5 and 99p

Use the correct bar model to help you calculate  
how much change Malachi receives.

The first bar model is correct as the whole is £5 and 99p  
and we are calculating a part as Malachi has spent money  
Malachi receives 66p change.