

## Lesson 4 – Measurement: Money – Subtract Money

### 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, converting, counting, calculation

Children use different methods to subtract money. They will see examples where they can physically remove the coins, and examples where they will need to use their knowledge of converting money to exchange £1 for 100 pence. Children also use number lines to count on or back to calculate the difference between two amounts.

### Key Questions:

Can we make 50p in a different way to make it easier to subtract 10p physically?

Which number should I place on the number line first?

Could I count backwards on the number line?

Does this change the difference?

Do we need to exchange any pounds for pence?



### Working Towards

Subtract the pence and pence separately to find your answer.

Tia has £5 and 50p.  
She gives £2 and 50p to her friend.  
How much money does she have left?

Malachi has £2 and 10 pence.  
He has 10p more than Malachi.  
How much more money does he have than Malachi? Show this on a number line.

A robot cost £5 and 40p.  
It is 10p cheaper than £5 and 50p.  
How much has the cost of the robot been reduced by?

A pair of trousers cost £20 and 50p.  
It is 10p cheaper than £20 and 50p.  
How much has the cost of the trousers been reduced by?



### Working Within

Subtract the pence and pence separately to find your answer.

Tia has £5 and 50p.  
She gives £2 and 50p to her friend.  
How much money does she have left?

Malachi has £2 and 10 pence.  
He has 10p more than Malachi.  
How much more money does he have than Malachi? Show this on a number line.

A robot cost £5 and 40p.  
It is 10p cheaper than £5 and 50p.  
How much has the cost of the robot been reduced by?

A pair of trousers cost £20 and 50p.  
It is 10p cheaper than £20 and 50p.  
How much has the cost of the trousers been reduced by?



### Greater Depth

Subtract the pence and pence separately to find your answer.

Tia has £5 and 50p.  
She gives £2 and 50p to her friend and £1 and 50p to her sister.  
How much money does she have left?

Malachi has £2 and 10 pence.  
He has 10p more than Malachi.  
How much more money does he have than Malachi? Show this on a number line.

A robot cost £5 and 40p.  
It is 10p cheaper than £5 and 50p.  
How much has the cost of the robot been reduced by?

A pair of trousers cost £20 and 50p.  
It is 10p cheaper than £20 and 50p.  
How much has the cost of the trousers been reduced by?

On this sheet, children work with simple amounts in multiples of 10.

On this sheet, children work with a range of amounts

On this sheet, children work with 2-step problems where they may have to add and subtract.

## Reasoning & Problem Solving

Leanna has £6 and 55p.

Malachi says:  
I have three times as much money as Leanna.

Zach and Esin are calculating £5 and 40p subtract £2 and 60p.

Zach: £5 and 40p - £3 = £2 and 40p  
£2 and 40p + 40p = £2 and 80p

Esin: £5 and 40p - £3 = £2 and 40p

How much more money does Malachi have than Leanna?  
Explain your answer.

Who is correct? Explain your answer.

Leanna has £6 and 55p.

Tia: I have three times as much money as Leanna.

Malachi: I have twice as much money as Tia.

Three children are calculating £5 and 40p subtract £2 and 60p.

Zach: £5 and 40p - £2 and 40 = £3  
£3 - 20p = £2 and 80p

Esin: £5 and 40p - £3 = £2 and 40p

Esin: £5 - £2 = £3  
40p - 60p = 20p  
£2 + 20p = £2 and 20p

How much more money does Malachi have than Leanna?  
Explain your answer.

Who is correct? Who is incorrect? Which method do you prefer?

Leanna has £6 and 99p.

Tia: I have three times as much money as Leanna.

Malachi: I had twice as much money as Tia but I gave £4 and 50 pence to my sister.

Three children are calculating £5 and 88p subtract £2 and 99p.

Zach: £5 and 88p - £3 = £2 and 88p  
£2 and 88p + 11p = £2 and 99p

Esin: £5 and 88p - £3 = £2 and 88p

Esin: £5 - £3 = £2  
11p - 11p = 0p  
£2 - 11p = £2 and 89p

How much more money does he have left?  
How much more money does Malachi have than Leanna?  
Explain your answer.

Who is correct? Who is incorrect? Which method do you prefer?



Subtract the pounds and pence separately to find your answer.



Tia has £4 and 25p.

She gives £2 and 20p to her friend.

How much money does she have left?

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Tia has £6 and 30p.

She gives £5 and 10p to her friend.

How much money does she have left?

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Malachi has £2 and 70 pence.



Rosie has £3.

How much more money does Rosie have than Malachi? Show this on a number line.

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Rosie has \_\_\_\_\_p more than Malachi.

A t-shirt costs £6 and 90p.

In a sale, the t-shirt costs £6 and 50p.



How much has the cost of the t-shirt been reduced by?

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A pair of trousers costs £10 and 50p.

In a sale, the trousers costs £9 and 50p.



How much has the cost of the trousers been reduced by?

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Subtract the pounds and pence separately to find your answer.



Tia has £4 and 25p.

She gives £2 and 20p to her friend.

How much money does she have left?

£2 and 5p

$$£4 - £2 = £2$$

$$25p - 20p = 5p$$



Tia has £6 and 30p.

She gives £5 and 10p to her friend.

How much money does she have left?

£1 and 20p

$$£6 - £5 = £1$$

$$30p - 10p = 20p$$

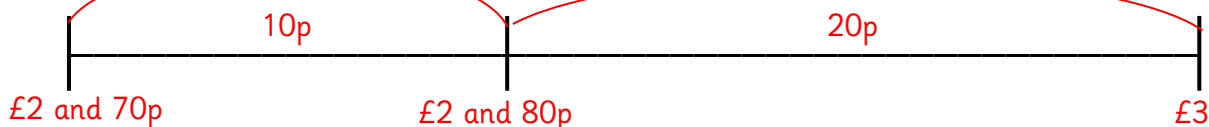


Malachi has £2 and 70 pence.



Rosie has £3.

How much more money does Rosie have than Malachi? Show this on a number line.



Rosie has 30p more than Malachi.

A t-shirt costs £6 and 90p.

In a sale, the t-shirt costs £6 and 50p.



How much has the cost of the t-shirt been reduced by?

40p

A pair of trousers costs £10 and 50p.

In a sale, the trousers costs £9 and 50p.



How much has the cost of the trousers been reduced by?

£1



Subtract the pounds and pence separately to find your answer.



Tia has £4 and 72p.

She gives £2 and 48p to her friend.

How much money does she have left?

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Tia has £8 and 48p.

She gives £5 and 34p to her friend.

How much money does she have left?

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Malachi has £2 and 72 pence.



Rosie has £3.

How much more money does Rosie have than Malachi? Show this on a number line.

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Rosie has \_\_\_\_\_p more than Malachi.

A t-shirt costs £6 and 40p.

In a sale, the t-shirt costs £4 and 35p.



How much has the cost of the t-shirt been reduced by?

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A pair of trousers costs £6 and 95p.

In a sale, the trousers costs £4 and 70p.



How much has the cost of the trousers been reduced by?

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Subtract the pounds and pence separately to find your answer.



Tia has £4 and 72p.

She gives £2 and 48p to her friend.

How much money does she have left?

£2 and 24p

$$£4 - £2 = £2$$

$$72p - 48p = 24p$$



Tia has £8 and 48p.

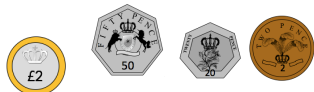
She gives £5 and 34p to her friend.

How much money does she have left?

£3 and 14p

$$£8 - £5 = £3$$

$$48p - 34p = 14p$$

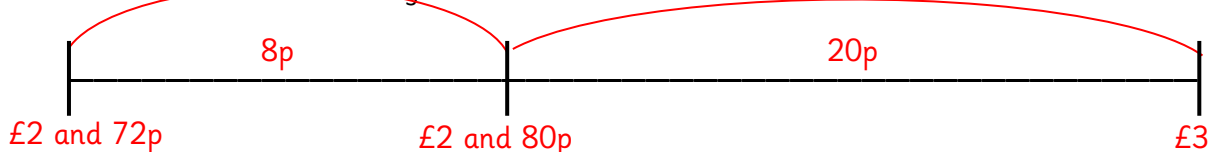


Malachi has £2 and 72p.



Rosie has £3.

How much more money does Rosie have than Malachi? Show this on a number line.



Rosie has 28p more than Malachi.

A t-shirt costs £6 and 40p.

In a sale, the t-shirt costs £4 and 35p.



How much has the cost of the t-shirt been reduced by?

£2 and 5p

A pair of trousers costs £6 and 95p.

In a sale, the trousers costs £4 and 70p.



How much has the cost of the trousers been reduced by?

£2 and 25p



Subtract the pounds and pence separately to find your answer.



Tia has £4 and 72p.

She gives £2 and 48p to her friend and

£1 and 55 pence to her sister.

How much money does she have left?



Tia has £8 and 29p.

She gives £5 and 34p to her friend and

£1 and 99p to her brother.

How much money does she have left?



Malachi has £2 and 75 pence.

Rosie has £5 and 34 pence.



How much more money does Rosie have than Malachi? Show this on a number line.

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Rosie has \_\_\_\_\_p more than Malachi.

A t-shirt costs £6 and 40p.

In a sale, the t-shirt costs £4 and 70p

and then they reduce it further by 129p.

**SALE**



How much has the cost of  
the t-shirt been reduced by?

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A pair of trousers costs £11 and 24p.

In a sale, the trousers costs £9 and 70p and

then they take off another 233p.

**SALE**



How much has the cost of the  
trousers been reduced by?

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Subtract the pounds and pence separately to find your answer.



Tia has £4 and 72p.

She gives £2 and 48p to her friend and

£1 and 55 pence to her sister.

How much money does she have left?

**69p**



Tia has £8 and 29p.

She gives £5 and 34p to her friend and

£1 and 99p to her brother.

How much money does she have left?

**96p**

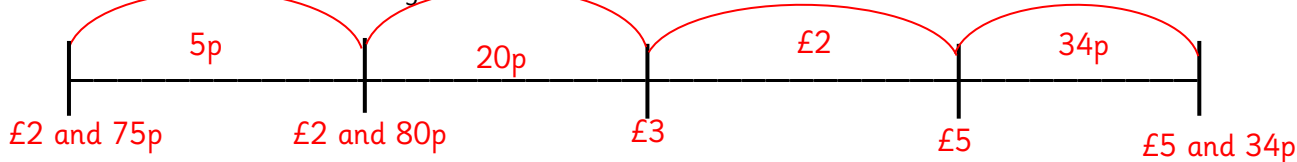


Malachi has £2 and 75 pence.

Rosie has £5 and 34 pence.



How much more money does Rosie have than Malachi? Show this on a number line.



Rosie has **259** p more than Malachi.

A t-shirt costs £6 and 40p.

In a sale, the t-shirt costs £4 and 70p

and then they reduce it further by 129p.

**SALE**



How much has the cost of  
the t-shirt been reduced by?

**£2 and 99p**

A pair of trousers costs £11 and 24p.

In a sale, the trousers costs £9 and 70p and

then they take off another 233p.

**SALE**



How much has the cost of the  
trousers been reduced by?

**£3 and 87p**



Leanna has £6 and 55p.

Malachi says:

I have three times as much money as Leanna.



How much more money does Malachi have than Leanna?

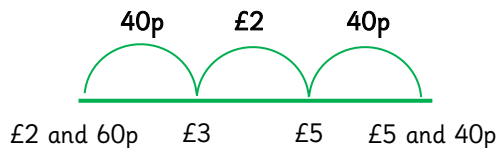
Explain your answer.

Zach and Esin are calculating £5 and 40p subtract £2 and 60p.

Zach



$£5 \text{ and } 40\text{p} - £3 = £2 \text{ and } 40\text{p}$   
 $£2 \text{ and } 40\text{p} + 40\text{p} = £2 \text{ and } 80\text{p}$



Esin



Who is correct?  
Explain your answer.



Leanna has £6 and 55p.

Malachi says:

I have three times as much money as Leanna.



How much more money does Malachi have than Leanna?

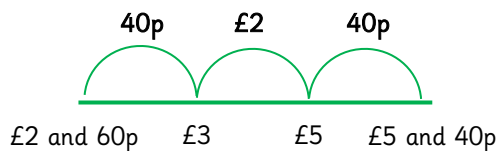
Explain your answer.

Zach and Esin are calculating £5 and 40p subtract £2 and 60p.

Zach



$£5 \text{ and } 40\text{p} - £3 = £2 \text{ and } 40\text{p}$   
 $£2 \text{ and } 40\text{p} + 40\text{p} = £2 \text{ and } 80\text{p}$



Esin



Who is correct?  
Explain your answer.





Leanna has £6 and 55p.

Malachi says:

I have three times as much money as Leanna.



How much more money does Malachi have than Leanna?

Explain your answer.

Malachi has £19 and 65p.

He has £13 and 10p more than Leanna.

Zach and Esin are calculating £5 and 40p subtract £2 and 60p.

Zach



£5 and 40p – £3 = £2 and 40p  
£2 and 40p + 40p = £2 and 80p



Esin



Who is correct?  
Explain your answer.

Both got the correct answer using different methods.  
Children may choose which method they prefer.



Leanna has £6 and 55p.

Malachi says:

I have three times as much money as Leanna.



How much more money does Malachi have than Leanna?

Explain your answer.

Malachi has £19 and 65p.

He has £13 and 10p more than Leanna.

Zach and Esin are calculating £5 and 40p subtract £2 and 60p.

Zach



£5 and 40p – £3 = £2 and 40p  
£2 and 40p + 40p = £2 and 80p



Esin



Who is correct?  
Explain your answer.

Both got the correct answer using different methods.  
Children may choose which method they prefer.



Leanna has £6 and 55p.

Tia



I have three times as much money as Leanna.

Malachi



I have twice as much money as Tia.

How much more money does Malachi have than Leanna?

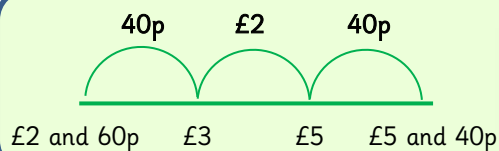
Explain your answer.

Three children are calculating  
£5 and 40p subtract £2 and 60p.

Zach



£5 and 40p – £2 and 40 = £3  
£3 – 20p = £2 and 80p



Esin



Rosie



£5 – £2 = £2  
40p – 60p = 20p  
£2 + 20p = £2 and 20p

Who is correct? Who is incorrect?  
Which method do you prefer?



Leanna has £6 and 55p.

Tia



I have three times as much money as Leanna.

Malachi



I have twice as much money as Tia.

How much more money does Malachi have than Leanna?

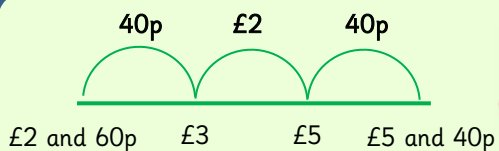
Explain your answer.

Three children are calculating  
£5 and 40p subtract £2 and 60p.

Zach



£5 and 40p – £2 and 40 = £3  
£3 – 20p = £2 and 80p



Esin



Rosie



£5 – £2 = £2  
40p – 60p = 20p  
£2 + 20p = £2 and 20p

Who is correct? Who is incorrect?  
Which method do you prefer?



Leanna has £6 and 55p.

Tia



I have three times as much money as Leanna.

Malachi



I have twice as much money as Tia.

How much more money does Malachi have than Leanna?

Explain your answer.

Tia: £19 and 65p

Malachi: £39 and 30p.

Malachi has £32 and 75p more than Leanna.

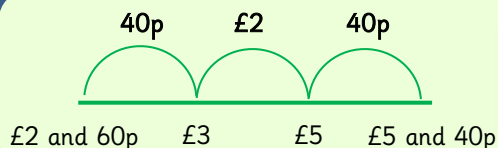
Three children are calculating £5 and 40p subtract £2 and 60p.

Zach



£5 and 40p – £2 and 40 = £3  
£3 – 20p = £2 and 80p

Esin



Rosie



£5 – £2 = £2  
40p – 60p = 20p  
£2 + 20p = £2 and 20p

Who is correct? Who is incorrect?

Which method do you prefer?

Rosie's second step of calculation is incorrect. Zach and Esin both got the correct answer using different methods.

Children may choose which method they prefer.



Leanna has £6 and 55p.

Tia



I have three times as much money as Leanna.

Malachi



I have twice as much money as Tia.

How much more money does Malachi have than Leanna?

Explain your answer.

Tia: £19 and 65p

Malachi: £39 and 30p.

Malachi has £32 and 75p more than Leanna.

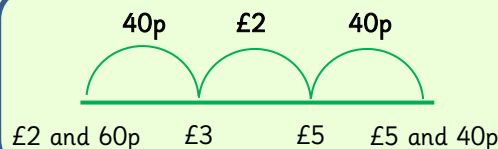
Three children are calculating £5 and 40p subtract £2 and 60p.

Zach



£5 and 40p – £2 and 40 = £3  
£3 – 20p = £2 and 80p

Esin



Rosie



£5 – £2 = £2  
40p – 60p = 20p  
£2 + 20p = £2 and 20p

Who is correct? Who is incorrect?

Which method do you prefer?

Rosie's second step of calculation is incorrect. Zach and Esin both got the correct answer using different methods.

Children may choose which method they prefer.



Leanna has £6 and 99p.

Tia



I have three times as much money as Leanna.

I had twice as much money as Tia but I gave £4 and 99 pence to my sister.

Malachi



How much money does he have left?  
How much more money does Malachi have than Leanna?  
Explain your answer.

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Three children are calculating  
£5 and 88p subtract £2 and 99p.

Zach



£5 and 88p – £3 = £2 and 88p  
£2 and 88p + 11p = **£2 and 99p**

1p £2 88p

£2 and 99p

£3

£5

£5 and 88p

Esin



Rosie



£6 – £3 = £3  
12p – 1p = 11p  
£3 – 11p = **£2 and 89p**

Who is correct? Who is incorrect?  
Which method do you prefer?



Leanna has £6 and 99p.

Tia



I have three times as much money as Leanna.

I had twice as much money as Tia but I gave £4 and 99 pence to my sister.

Malachi



How much money does he have left?  
How much more money does Malachi have than Leanna?  
Explain your answer.

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Three children are calculating  
£5 and 88p subtract £2 and 99p.

Zach



£5 and 88p – £3 = £2 and 88p  
£2 and 88p + 11p = **£2 and 99p**

1p £2 88p

£2 and 99p

£3

£5

£5 and 88p

Esin



Rosie



£6 – £3 = £3  
12p – 1p = 11p  
£3 – 11p = **£2 and 89p**

Who is correct? Who is incorrect?  
Which method do you prefer?



Leanna has £6 and 99p.

Tia



I have three times as much money as Leanna.

Malachi



I had twice as much money as Tia but I gave £4 and 99 pence to my sister.

How much money does he have left?  
How much more money does Malachi have than Leanna?

Explain your answer.

Tia: £20 and 97p

Malachi has left:

£41 and 94p – £4 and 99p = £36 and 95p.

He has £29 and 96p more than Leanna.

Three children are calculating  
£5 and 88p subtract £2 and 99p.

Zach



£5 and 88p – £3 = £2 and 88p  
£2 and 88p + 11p = £2 and 99p

1p

£2

88p

Esin



£2 and 99p

£3

£5

£5 and 88p

Rosie



£6 – £3 = £3

12p – 1p = 11p

£3 – 11p = £2 and 89p

Who is correct? Who is incorrect?

Which method do you prefer?

Zach's second step of calculation is incorrect. Esin and Rosie both got the correct answer using different methods. Children may choose which method they prefer.



Leanna has £6 and 99p.

Tia



I have three times as much money as Leanna.

Malachi



I had twice as much money as Tia but I gave £4 and 99 pence to my sister.

How much money does he have left?  
How much more money does Malachi have than Leanna?

Explain your answer.

Tia: £20 and 97p

Malachi has left:

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Three children are calculating  
£5 and 88p subtract £2 and 99p.

Zach



£5 and 88p – £3 = £2 and 88p  
£2 and 88p + 11p = £2 and 99p

1p

£2

88p

Esin



£2 and 99p

£3

£5

£5 and 88p

Rosie



£6 – £3 = £3

12p – 1p = 11p

£3 – 11p = £2 and 89p

Who is correct? Who is incorrect?

Which method do you prefer?

Zach's second step of calculation is incorrect. Esin and Rosie both got the correct answer using different methods. Children may choose which method they prefer.