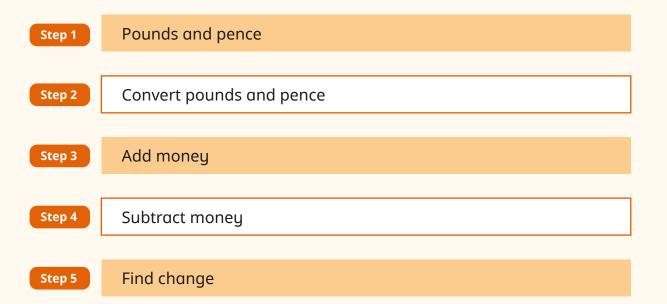
Summer Block 2 Money

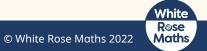


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Small steps







Pounds and pence



Notes and guidance

In this small step, children consolidate their knowledge of notes and coins from previous years. They use £ and p notation and read monetary values as, for example, 5 pounds and 10 pence. Decimal notation for money is not introduced until children meet decimals in Year 4

In Year 2, children found that different combinations of coins could equal the same amount. This idea is explored further in this step.

A deeper understanding of place value is encouraged by comparing amounts using <, > and =. In this step, the number of pence does not exceed 100, to prevent the need to exchange groups of 100p for pounds. This is covered in the next step.

Things to look out for

- Children may assume that more coins always have a greater value than fewer coins.
- Children may look at the numbers rather than the units, for example thinking 50p has a greater value than £10
- Children may simply add the number on each note or coin without considering its value, for example thinking that £10 and 5p makes either £15 or 15p.

Key questions

- What is the value of this coin/note?
- What does "£" mean?
- What does "p" mean?
- Is the amount the same or different?
- How many pounds do you have?
 How many pence do you have?
 How much do you have altogether?

Possible sentence stems

- There are _____ pounds.
- There are _____ pence.
- There are _____ pounds and _____ pence.

There is £_____ and _____p.

National Curriculum links

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

Pounds and pence

Key learning

• Match the coins and notes to the amounts.





fifteen fifteen pounds pence



X

fifty pence

283

AS.

• How much money is there in the jar?

There is £ _____ and _____ p.



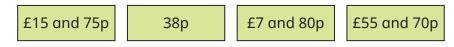
• How much money does each person have?



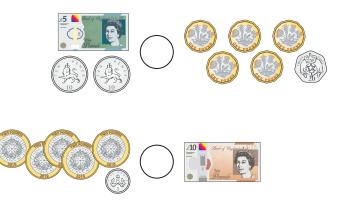
• Here are some notes and coins.



Choose the fewest number of notes and coins needed to make each amount.

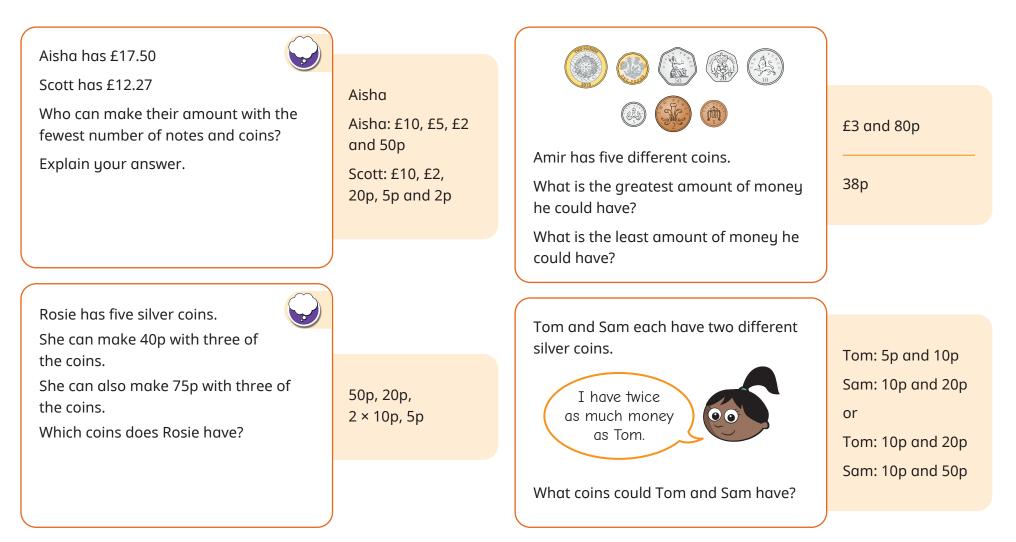


• Write <, > or = to compare the amounts.



Pounds and pence





Convert pounds and pence



Notes and guidance

In this small step, children use their knowledge of the value of each note and coin to convert pence into pounds and pence. A key learning point is to recognise that $100p = \pounds 1$, and children should become accustomed to counting pence in groups of 100 and converting to pounds. A strong understanding of place value is helpful, as is a good knowledge of number bonds to 100

Physical and pictorial representations of notes and coins are useful to support children's understanding and allow them to make the conversions effectively.

In this step, the focus is on converting single amounts of pence to pounds and pence. Calculations involving addition and subtraction of amounts of money are covered in the next steps.

Things to look out for

- Children may assume that more coins always have a greater value than fewer coins, regardless of the values of the individual coins.
- Children may not recognise the value of pounds and pence, and see 50p as having a greater value than £48
- Children may make errors with their number bonds to 100

Key questions

- How many pence are there in £1?
 How can you use this to convert £2 to pence?
- How many pence do you have?
- How many groups of 100 can you make?
 How many pounds is this equal to?
 How many pence are remaining?
- How many whole pounds are there in 235p?
- How can you use the fact that £1 = 100p to help you to convert between pounds and pence?

Possible sentence stems

- There are _____p in £ _____
- _____p = £ _____ and _____p
- £_____ and _____ p = _____ p

National Curriculum links

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

Convert pounds and pence

Key learning

• Here are some coins.



How many groups of 100 pence are there?

How many pounds do you have?

How many pence are left?

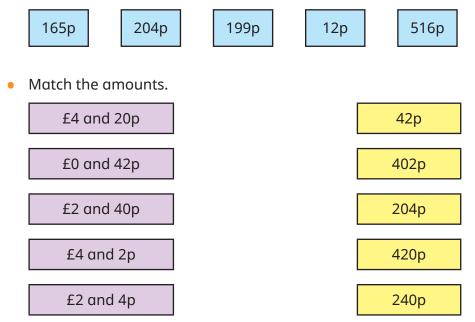
There is £ _____ and _____ p.

• Write the amounts of money in pounds and pence.





• Write each amount in pounds and pence.



• How many pence are shown in each amount?

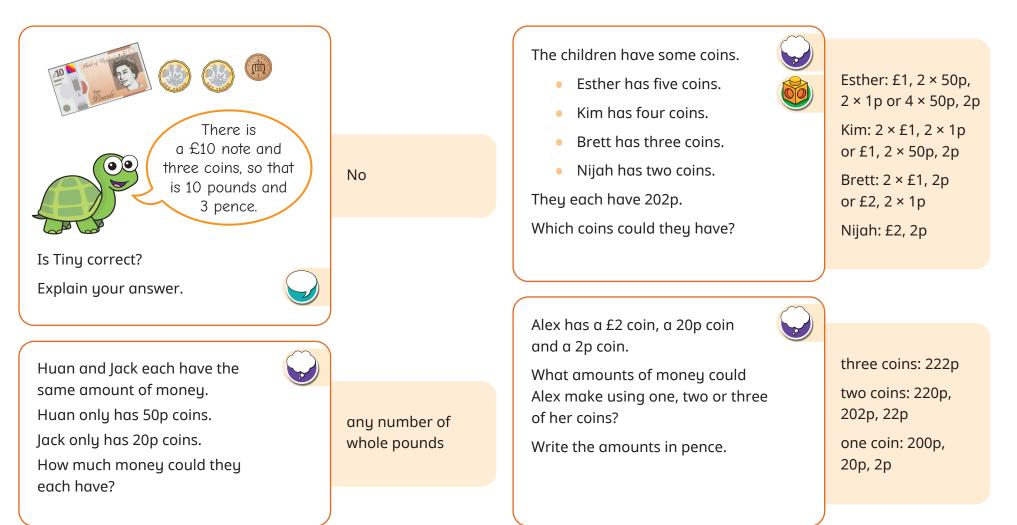






Convert pounds and pence





Add money



In this small step, children continue to build on their understanding of pounds and pence by adding money.

Children explore different representations to add money. They begin by using physical notes and coins to add two amounts. They then move on to more abstract representations such as part-whole models and bar models.

Encourage children to add the pounds first and then add the pence. Initially, totals do not cross 100p, but later in the step they need to use their knowledge of converting money to exchange 100p for $\pounds 1$

Children also consider strategies such as adding 99p by adding £1, then subtracting 1p.

Things to look out for

- Children may not exchange 100p for £1 when adding the pounds and pence separately, for example £3 and 40p + £4 and 80p = £7 and 120p instead of £8 and 20p.
- Children may mix up pounds and pence when adding them together, for example $\pounds 2$ and $75p + \pounds 3 = \pounds 2$ and 78p.

Key questions

- Which coins do you need to add together?
- Which coins can you group to make a pound?
- How can an estimate help you to add the amounts?
- How many pounds are there altogether?
- How many pence are there altogether?
- Why is adding 99p the same as adding £1 and subtracting 1p?
- Which method do you prefer? Why?

Possible sentence stems

- £_____+£____=£____
- _____p + _____p = _____p
- _____p is equal to £ _____ and _____p.
- £_____ and _____ p + £_____ and _____ p
 - = £ _____ and _____ p

National Curriculum links

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

Add money

Key learning

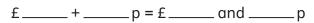
• Mo has £3 and 30p.

Sam has £2 and 10p.

🛞 🛞 🎉

Complete the sentences to work out how much money they have altogether.

- £3 + £2 = £_____
- 30p + 10p = _____p



• Jack has £3 and 50p.

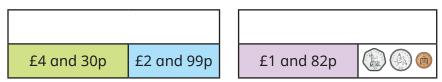
Dora has £5 and 60p.



Complete the sentences to work out how much money they have altogether.

 $f _ + f _ = f _ p$ $p + _ p = _ p$ $p = f _ and _ p$ $f _ + f _ p = f _ and _ p$

- Complete the number sentences.
 - £4 and 14p + £2 and 83p = £ _____ and _____p
 - £3 and 20p + £4 and 80p = £ _____ and _____ p
 - £8 and 40p + £6 and 80p = £ _____ and _____ p
 - £12 and 39p + £8 and 83p = £ _____ and _____p
- Complete the bar models.



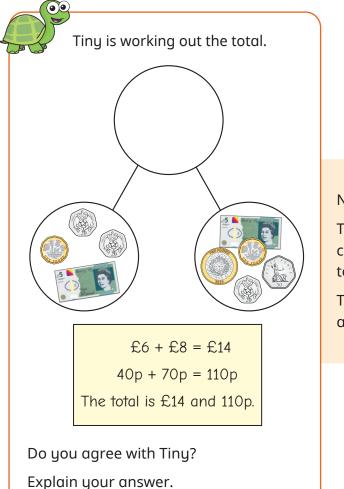
- A book costs £5 and 99p.
 A magazine costs £1 and 75p.
 How much do the book and magazine cost altogether?
 - Whitney has £5 to spend.
 She wants to buy a T-shirt and a hat.
 Does Whitney have enough money?



Add money

White Rose Maths

Reasoning and problem solving



No

Tiny has not converted 110p to £1 and 10p. The total is £15 and 10p.

Eva has £5

Does she have enough money to buy a toy car and two apples?



85p







Eva wants to buy three items. What combinations of items could she buy with £5?

No

1 car and

- 2 balloons
- 1 car, 1 apple and 1 balloon
- 1 comic and
- 2 apples
- 1 comic and
- 2 balloons
- 1 comic, 1 apple and 1 balloon

Subtract money

White Rose Maths

Notes and guidance

In this small step, children continue to build on their understanding of pounds and pence by subtracting money.

Children explore different representations to subtract money. They begin by using notes and coins to subtract pounds and pence separately, including examples where they exchange coins to help them subtract. For example, when working out £4 and 50p subtract £2 and 10p, they can exchange one 50p coin for five 10p coins, so that they can physically remove £2 and 10p.

Children then move on to using number lines to count on or back to calculate the difference between two amounts. These include examples where they need to use their knowledge of converting money to exchange £1 for 100p.

Things to look out for

- When subtracting the pence separately, children may subtract the greater amount first instead of exchanging from the pounds. For example, when working out £4 and 20p subtract £1 and 50p, children may do 50p – 20p = 30p.
- Number bonds to 100 can be tricky and children may include an extra ten, for example 100 37 = 73

Key questions

- Which notes/coins do you need to subtract?
- How can you make _____ in a different way to make it easier to subtract _____?
- Are you going to count back on the number line or count on? Why?
- Do you need to exchange any pounds for pence?
- Which method do you prefer? Why?

Possible sentence stems

- £_____=£____
- _____p _____p = _____p
- The whole is £ _____ and _____ p.

One part is £ _____ and _____ p and the other part is

£_____ and _____ p.

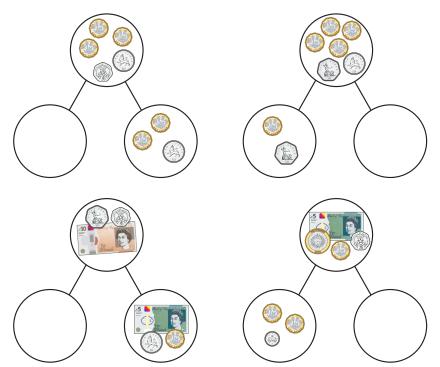
National Curriculum links

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

Subtract money

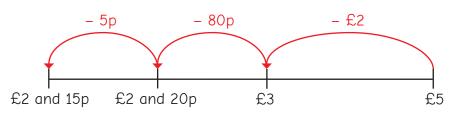
Key learning

• Complete the part-whole models.

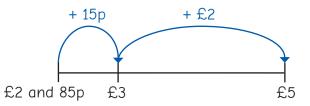


- Complete the subtractions.
 - ▶ £5 and 30p £1 and 10p
 - ▶ £8 and 75p £4 and 45p
- £6 and 80p £5 and 32p
- ▶ £12 and 99p £12 and 84p

Huan and Rosie are subtracting £2 and 85p from £5
 Huan counts back from £5



Rosie counts on from £2 and 85p.



They both get the answer £2 and 15p.

Use one of their methods to work out the subtractions.

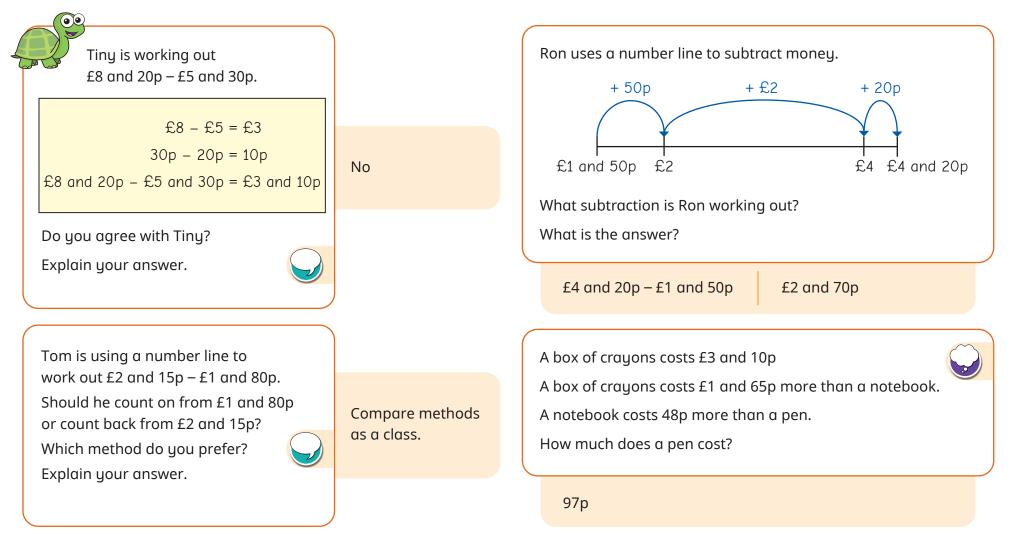
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£10 – £6 and 55p £4 and 30p – £1 and 90p
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• Dora has £7 and 50p.

She gives £4 and 80p to her sister. How much money does Dora have left?

Subtract money





Find change



In this small step, children build on their understanding of subtracting money to find change.

Use notes and coins to model what happens when change is needed. It is important to encourage role-play, so that children understand the context of giving and receiving change.

Children use number lines and part-whole models to subtract to find change. They can explore both counting on and counting back as methods of finding the difference to find change.

For some questions, children need to use their knowledge of converting money to exchange £1 for 100p. In other questions, they are given the amount of change and need to find the total amount of a set of items.

Things to look out for

- Children may not be confident with converting money. They need to know that they can exchange £1 for 100p to support them finding the correct amount of change.
- Children may confuse the verb and noun for "change", so it is important to ensure they understand that "change" in this context is the amount of money they are left with.

Key questions

- When talking about money, what does "change" mean?
- How can you partition _____ to make it easier to find the amount of change needed?
- Are you going to count back on the number line or count on? Why?
- Do you need to exchange any pounds for pence?
- Which method do you prefer?
- How does the part-whole model help to solve the problem?

Possible sentence stems

- £_____ subtract £_____ is equal to £_____
- _____p subtract _____p is equal to _____p.
- The difference between _____ and _____ is _____, so I will get _____ change.

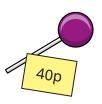
National Curriculum links

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

Find change

Key learning

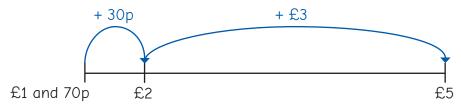
A lollipop costs 40p.
 Brett pays for one lollipop with a £1 coin.
 How much change will he receive?



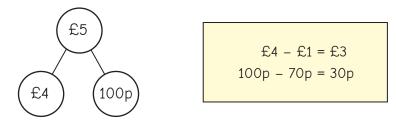
• A teddy costs £1 and 70p.

Rosie pays with a £5 note.

- Mo and Tommy are working out how much change Rosie will get.
- Mo uses a number line.



Tommy uses a part-whole model.



They both get the answer £3 and 30p.

Which method do you prefer? Why?

An ice cream costs £1 and 60p.
 Esther pays with a £5 note.
 How much change will she receive?



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- Nijah buys a bottle of water for £1 and 20p.
 She pays with a £2 coin.
 How much change does she get?
- Dora buys a bag of pears.
 She pays with a £2 coin and gets this change.



How much do the pears cost?

Annie buys a hat for £6 and 35p.
 She pays with a £10 note.
 How much change does she get?
 Explain your method to a partner.

Find change

