

Reasoning and Problem Solving

Step 2: Count Money – Pounds

National Curriculum Objectives:

Mathematics Year 2: (2M3a) [Recognise and use symbols for pounds \(£\) and pence \(p\); combine amounts to make a particular value](#)

Mathematics Year 2: (2M3b) [Find different combinations of coins that equal the same amounts of money](#)

Differentiation:

Questions 1, 4 and 7 (Reasoning)

Developing Explain which child has the most savings. Using up to 5 coins or notes of one type.

Expected Explain which child has the most savings. Using up to 10 coins or notes, with some examples of mixed coins and notes used within a question.

Greater Depth Explain which child has the most savings. Using up to three types of coins or notes.

Questions 2, 5 and 8 (Reasoning)

Developing Explain if the child has enough money to buy an object. Using up to 5 coins or notes of one type.

Expected Explain if the child has enough money to buy an object. Using up to 10 coins or notes, with some examples of mixed coins and notes used within a question.

Greater Depth Explain if the child has enough money to buy an object. Using up to three types of coins or notes.

Questions 3, 6 and 9 (Problem Solving)

Developing Calculate the amount of money each child has in the word problem. Using up to 5 coins or notes of one type.

Expected Calculate the amount of money each child has in the word problem. Using up to 10 coins or notes, with some examples of mixed coins and notes used within a question.

Greater Depth Calculate the amount of money each child has in the word problem. Using up to three types of coins or notes.

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Count Money – Pounds

Count Money – Pounds

1a. Evie and Will have been saving their spending money.



Evie's savings:



Will's savings:



Who has saved the most money?
Explain your answer.



R

1b. Mia and Max have been saving their spending money.



Mia's savings:



Max's savings:



Who has saved the most money?
Explain your answer.



R

2a. Asha has two £5 notes.

She wants to buy a new bucket and spade that costs £10.

Does she have enough money?



Explain how you know.



R

2b. Mike has four £10 notes.

He wants to buy a new watch that costs £50.

Does he have enough money?



Explain how you know.



R

3a. Evie has more money than Mia.

Evie has one note.

Mia has four of the same coins.

What notes and coins could they both have?



Mia



Evie

PS

3b. Max has more money than Will.

Max has two notes.

Will has five of the same coins.

What notes and coins could they both have?



Will



Max

PS

Count Money – Pounds

Count Money – Pounds

4a. April and Joe have been saving their spending money.



April's savings:



Joe's savings:



Who has saved the most money?
Explain your answer.



R

4b. Adam and Isla have been saving their spending money.



Adam's savings:



Isla's savings:



Who has saved the most money?
Explain your answer.



R

5a. Molly has two £10 notes and three £5 notes.

She wants to buy a new bike that costs £40.

Does she have enough money?



Explain how you know.



R

5b. Mya has four £20 notes and four £2 coins.

She wants to buy a box of toys that costs £87.

Does she have enough money?



Explain how you know.



R

6a. Adam has the same amount of money as April.

April has two notes.

Adam has one note and five of the same coins.

What notes and coins could they both have?



Adam



April

PS

6b. Joe has the same amount of money as Isla.

Isla has three notes.

Joe has four notes and five of the same coins.

What notes and coins could they both have?



Joe



Isla

PS

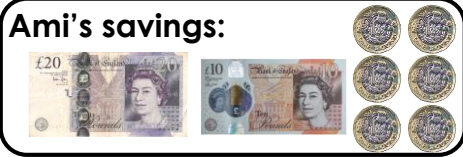
Count Money – Pounds

Count Money – Pounds

7a. Ami and Tim have been saving their spending money.



Ami's savings:



Tim's savings:



Who has saved the most money?
Explain your answer.



R

7b. Mel and Paul have been saving their spending money.



Mel's savings:



Paul's savings:



Who has saved the most money?
Explain your answer.



R

8a. Ali has five £10 notes, six £5 notes and three £2 coins.

He wants to buy a toy train that costs £85.

Does he have enough money?



Explain how you know.

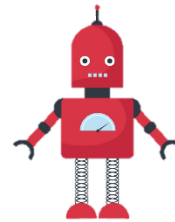


R

8b. Charlie has three £20 notes, seven £2 coins and nine £1 coins.

He wants to buy a robot that costs £90.

Does he have enough money?



Explain how you know.



R

9a. Mel has more money than Tim.

Mel has two notes and five coins.

Tim has two notes and eight coins.

What notes and coins could they both have?



Tim



Mel

PS

9b. Ami has more money than Paul.

Ami has three notes and three coins.

Paul has three notes and five coins.

What notes and coins could they both have?



Paul



Ami

PS

Reasoning and Problem Solving Count Money – Pounds

Developing

- 1a. Evie and Will both have £10 in their savings; they have saved an equal amount.
- 2a. Yes; Asha's money adds up to £10. She has the exact amount she needs to buy the bucket and spade.
- 3a. Various answers, for example: Evie could have one £5 note and Mia could have four £1 coins. Evie would have £5 whereas Mia would only have £4.

Expected

- 4a. April has saved the most money because she has £22 in her savings. Joe has only saved £14.
- 5a. No; Molly's money only adds up to £35. She still needs another £5 in order to afford the bike.
- 6a. Various answers, for example: April could have one £10 note and one £5 note and Adam could have one £10 note and five £1 coins. Both children would have £15.

Greater Depth

- 7a. Ami has saved the most money because she has £36 in her savings. Tim has only saved £26.
- 8a. Yes; Ali's money adds up to £86. The toy train costs £85 so he has £1 more than he needs.
- 9a. Various answers, for example: Mel could have one £10 note, one £5 note and five £1 coins. Tim could have two £5 notes and eight £1 coins. Mel would have £20 whereas Tim would only have £18.

Reasoning and Problem Solving Count Money – Pounds

Developing

- 1b. Mia has saved the most money because she has £20 in her savings. Max has only saved £15.
- 2b. No; Mike's money only adds up to £40. He still needs another £10 in order to afford the watch.
- 3b. Various answers, for example: Max could have two £10 notes and Will could have five £2 coins. Max would have £20 whereas Will would only have £10.

Expected

- 4b. Adam and Isla both have £23 in their savings; they have saved an equal amount.
- 5b. Yes; Mya's money adds up to £88. The box of toys costs £87 so she has £1 more than she needs.
- 6b. Various answers, for example: Isla could have three £10 notes and Joe could have four £5 notes and five £2 coins. Both children would have £30.

Greater Depth

- 7b. Paul has saved the most money because he has £32 in his savings. Mel has only saved £31.
- 8b. No; Charlie's money adds up to £83. He still needs another £7 in order to afford the robot.
- 9b. Various answers, for example: Ami could have three £5 notes and three £2 coins. Paul could have three £5 notes and five £1 coins. Ami would have £21 whereas Paul would only have £20.