

Lesson 5 – Measurement: Money – Make the Same Amount

**NC Objective:**  
Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.  
Find different combinations of coins that equal the same amounts of money.

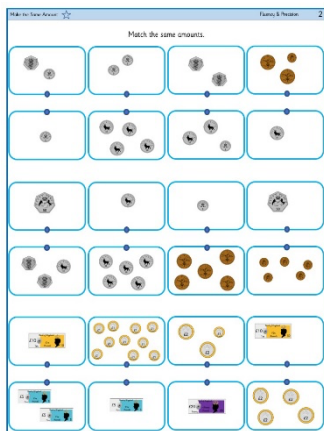
**Resources needed:**  
Differentiated Sheets  
Teaching Slides  
Coins and Notes

**Vocabulary:**  
Coins, Pounds, Pence, Compare

Children explore the different ways of making the same amount. As before, they will not count pence over into pounds.  
Examples need to be modelled where pounds and pence are together but children need to continue to be encouraged to count the pounds and pence separately.

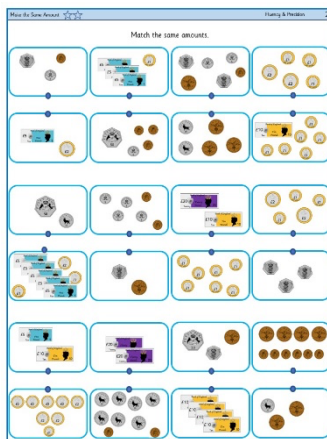
**Key Questions:**  
Can the same amount be made using different coins? How did you compare the amounts?  
How is your way different to a partner? Can you swap a coin/note for others and still make the same amount?  
What is the smallest amount of coins you can use to make?

★ Working Towards



Children are given smaller values to match. Pounds and pence are separate.

★★ Working Within



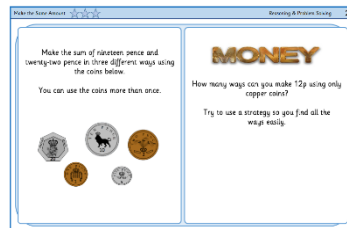
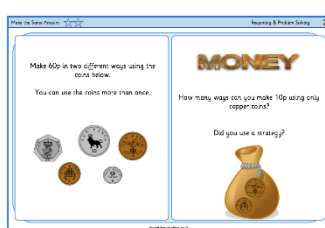
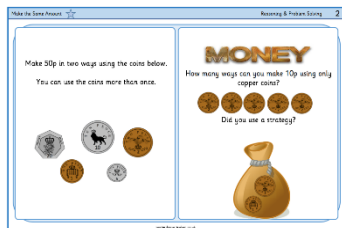
Children at this stage still have separate pounds and pence, but the pence are now a mix of tens and ones.

★★★ Greater Depth



























Children will need knowledge of different ways to make £1. They identify the same values of mixed pounds and pence.

Reasoning & Problem Solving



Children will solve two reasoning questions combining coins into different groups.

Match the same amounts.



Match the same amounts.

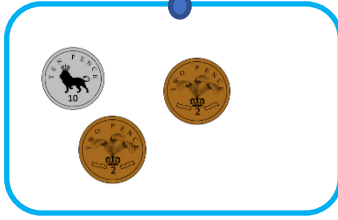
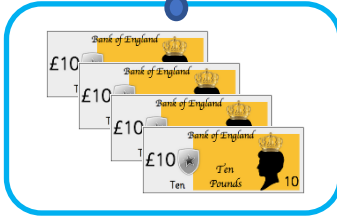
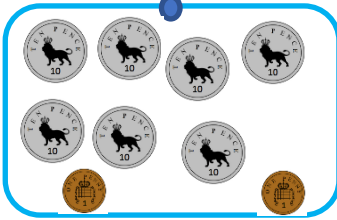
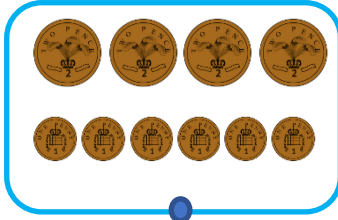
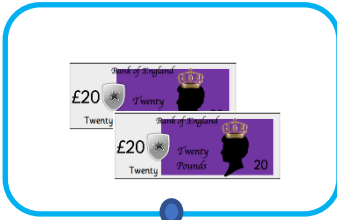
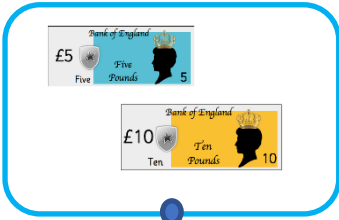
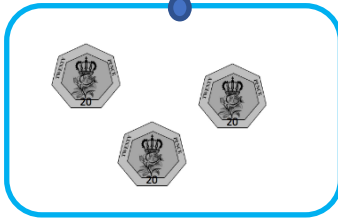
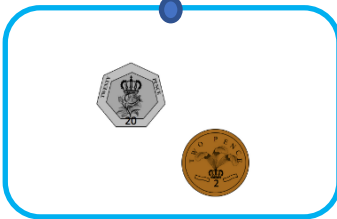
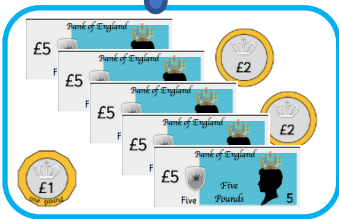
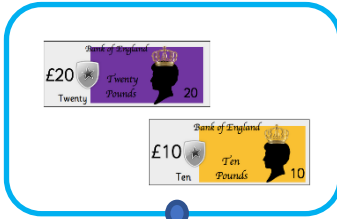
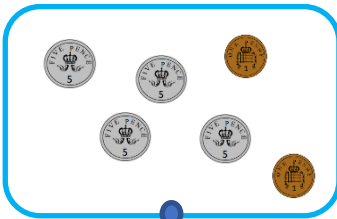
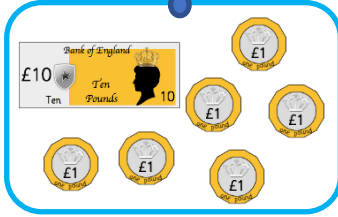
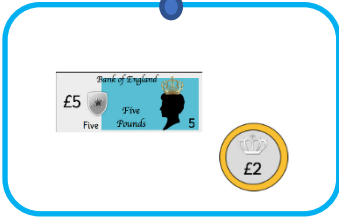
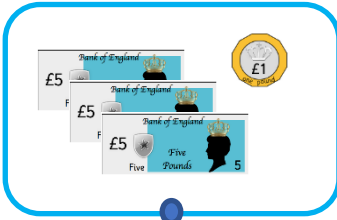
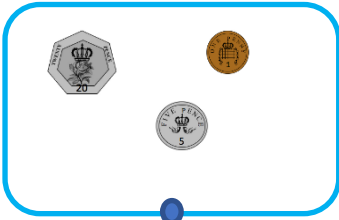
A grid of 28 boxes containing various British currency (pounds and pence) and banknotes. Lines connect boxes that contain the same total amount.


Connections shown in the image:

- Box 1 is connected to Box 18.
- Box 2 is connected to Box 18.
- Box 3 is connected to Box 18.
- Box 4 is connected to Box 18.
- Box 5 is connected to Box 18.
- Box 6 is connected to Box 18.
- Box 7 is connected to Box 18.
- Box 8 is connected to Box 18.
- Box 9 is connected to Box 12.
- Box 10 is connected to Box 12.
- Box 11 is connected to Box 12.
- Box 13 is connected to Box 14.
- Box 15 is connected to Box 14.
- Box 16 is connected to Box 14.
- Box 17 is connected to Box 20.
- Box 19 is connected to Box 20.
- Box 21 is connected to Box 24.
- Box 22 is connected to Box 24.
- Box 23 is connected to Box 24.



Match the same amounts.





Match the same amounts.

A 6x4 grid of boxes containing various UK banknotes and coins. Colored lines connect boxes with equivalent values:

- Row 1:**
  - Box 1: 20p coin, 5p coin
  - Box 2: £5 note, £5 note, £5 note, 1p coin
  - Box 3: 20p coin, 5p coin, 5p coin, 20p coin, 2p coin
  - Box 4: £1 coin, £1 coin, £2 coin, £2 coin, £1 coin
- Row 2:**
  - Box 1: £5 note, 2p coin
  - Box 2: 50p coin, 2p coin, 2p coin, 5p coin, 2p coin
  - Box 3: 10p coin, 2p coin, 10p coin, 2p coin, 2p coin
  - Box 4: £10 note, 1p coin, £1 coin, £1 coin, £1 coin, £1 coin, £1 coin
- Row 3:**
  - Box 1: 50p coin, 10p coin
  - Box 2: 5p coin, 5p coin, 5p coin, 5p coin, 2p coin
  - Box 3: £20 note, £10 note
  - Box 4: £2 coin, £1 coin, £1 coin, £1 coin, £2 coin
- Row 4:**
  - Box 1: £5 note, £5 note, £5 note, £5 note, £2 coin, £1 coin
  - Box 2: 20p coin, 2p coin
  - Box 3: £1 coin, £1 coin, £1 coin, £1 coin, £1 coin, £1 coin
  - Box 4: 20p coin, 20p coin
- Row 5:**
  - Box 1: £5 note, £10 note
  - Box 2: £20 note, £20 note
  - Box 3: 50p coin, 20p coin
  - Box 4: 2p coin, 2p coin, 2p coin, 2p coin, 2p coin, 2p coin, 2p coin, 2p coin
- Row 6:**
  - Box 1: £2 coin, £2 coin, £2 coin, £2 coin, £2 coin, £2 coin, £2 coin, £2 coin, £1 coin
  - Box 2: 10p coin, 10p coin, 10p coin, 10p coin, 10p coin, 10p coin, 10p coin, 10p coin, 10p coin, 2p coin, 2p coin
  - Box 3: £10 note, £10 note, £10 note, £10 note
  - Box 4: 10p coin, 2p coin



Match the same amounts.

A 7x4 grid of boxes, each containing a different combination of British banknotes and coins. The combinations are as follows:

- Box 1 (Row 1, Col 1):** £5 note, 20p coin, 5p coin, 2p coin, 1p coin, 50p coin.
- Box 2 (Row 1, Col 2):** £5 note, 1p coin, 50p coin, 2p coin.
- Box 3 (Row 1, Col 3):** 20p coin, 5p coin, 5p coin, 2p coin, 1p coin, 2p coin, 1p coin.
- Box 4 (Row 1, Col 4):** 2p coin, 2p coin, 1p coin, 10p coin, 2p coin, 1p coin.
- Box 5 (Row 2, Col 1):** 50p coin, 50p coin, 1p coin, 50p coin, 1p coin.
- Box 6 (Row 2, Col 2):** £2 coin, £1 coin, 5p coin, 5p coin, 5p coin, 5p coin, 10p coin, 2p coin, 2p coin.
- Box 7 (Row 2, Col 3):** £10 note, 20p coin, 5p coin, 10p coin, 1p coin.
- Box 8 (Row 2, Col 4):** 50p coin, 20p coin, 20p coin, 1p coin, 50p coin, 20p coin, 10p coin, 20p coin, 1p coin, 1p coin, 1p coin.
- Box 9 (Row 3, Col 1):** £5 note, £5 note, £5 note, 10p coin, 5p coin, 5p coin, 1p coin, 5p coin.
- Box 10 (Row 3, Col 2):** 5p coin, £2 coin, 2p coin, 5p coin, 5p coin, 1p coin, 1p coin, 5p coin, 2p coin.
- Box 11 (Row 3, Col 3):** £20 note, £10 note, 20p coin, 10p coin, 20p coin, 20p coin.
- Box 12 (Row 3, Col 4):** £1 coin, £1 coin, £1 coin, £1 coin, £1 coin, £2 coin, 2p coin, 2p coin, 2p coin, 2p coin.
- Box 13 (Row 4, Col 1):** £10 note, £10 note, £10 note, 10p coin, 5p coin, 5p coin, 5p coin, 50p coin.
- Box 14 (Row 4, Col 2):** £5 note, 20p coin, 2p coin.
- Box 15 (Row 4, Col 3):** 2p coin, £1 coin, £1 coin, £1 coin, 2p coin, 2p coin, 1p coin, 1p coin.
- Box 16 (Row 4, Col 4):** £10 note, £5 note, 20p coin, 50p coin, 50p coin.
- Box 17 (Row 5, Col 1):** £5 note, £2 coin, 2p coin, £10 note.
- Box 18 (Row 5, Col 2):** £20 note, £20 note, 50p coin, 10p coin, 2p coin, 2p coin, 50p coin.
- Box 19 (Row 5, Col 3):** £50 note, £2 coin, £1 coin, £2 coin, 20p coin, £2 coin.
- Box 20 (Row 5, Col 4):** £50 note, £10 note, 5p coin, 5p coin, 5p coin, 5p coin, 5p coin, 5p coin, 5p coin, 5p coin, 5p coin.
- Box 21 (Row 6, Col 1):** £20 note, £20 note, £10 note, £5 note, 10p coin, 2p coin, 2p coin.
- Box 22 (Row 6, Col 2):** £2 coin, £2 coin, £2 coin, £2 coin, £2 coin, 2p coin, 1p coin, 1p coin, 5p coin, 1p coin.
- Box 23 (Row 6, Col 3):** £20 note, £20 note, £20 note, 20p coin, £20 note, 20p coin.
- Box 24 (Row 6, Col 4):** £10 note, £10 note, £10 note, £10 note, 5p coin, 1p coin, 1p coin, 1p coin, 1p coin, 1p coin, 1p coin.



Match the same amounts.

A grid of 28 boxes, each containing a different combination of British banknotes and coins. Colored lines connect boxes that represent the same total amount.

- Box 1 (top-left):** £5 note, 20p coin, 5p coin, 2p coin, 1p coin. Total: £5.07.
- Box 2 (top-middle):** £5 note, 50p coin, 1p coin. Total: £5.50.
- Box 3 (top-right):** 20p coin, 5p coin, 1p coin, 2p coin, 10p coin, 2p coin, 1p coin. Total: £0.37.
- Box 4 (row 2, left):** 50p coin, 50p coin, 1p coin, 50p coin, 1p coin. Total: £1.02.
- Box 5 (row 2, middle):** £2 coin, £1 coin, 5p coin, 10p coin, 5p coin, 10p coin, 5p coin, 10p coin, 5p coin, 10p coin. Total: £2.00.
- Box 6 (row 2, right):** £10 note, 20p coin, 10p coin, 1p coin. Total: £10.30.
- Box 7 (row 3, left):** £5 note, £5 note, £5 note, 10p coin, 5p coin, 5p coin, 1p coin, 5p coin. Total: £15.30.
- Box 8 (row 3, middle):** £2 coin, £1 coin, 5p coin, 10p coin, 5p coin, 10p coin, 5p coin, 10p coin, 5p coin, 10p coin. Total: £2.00.
- Box 9 (row 3, right):** £20 note, £10 note, 20p coin, 10p coin, 1p coin, 10p coin, 1p coin, 10p coin, 1p coin, 10p coin, 1p coin. Total: £30.30.
- Box 10 (row 4, left):** £10 note, £10 note, £10 note, 10p coin, 5p coin, 5p coin, 1p coin, 5p coin. Total: £30.30.
- Box 11 (row 4, middle):** £5 note, 50p coin, 2p coin. Total: £5.52.
- Box 12 (row 4, right):** £10 note, £5 note, 20p coin, 10p coin, 1p coin, 10p coin, 1p coin, 10p coin, 1p coin, 10p coin, 1p coin. Total: £15.30.
- Box 13 (row 5, left):** £5 note, £2 coin, 1p coin. Total: £7.01.
- Box 14 (row 5, middle):** £20 note, £20 note, 50p coin, 10p coin, 5p coin, 10p coin, 5p coin, 10p coin, 5p coin, 10p coin. Total: £40.50.
- Box 15 (row 5, right):** £50 note, £50 note, 2p coin, 1p coin, 2p coin, 1p coin, 2p coin, 1p coin, 2p coin, 1p coin, 2p coin, 1p coin. Total: £100.12.
- Box 16 (row 6, left):** £50 note, £10 note, £5 note, 10p coin, 5p coin, 5p coin, 1p coin, 5p coin. Total: £65.30.
- Box 17 (row 6, middle):** £20 note, £20 note, 50p coin, 10p coin, 5p coin, 10p coin, 5p coin, 10p coin, 5p coin, 10p coin. Total: £40.50.
- Box 18 (row 6, right):** £10 note, £10 note, £10 note, 10p coin, 5p coin, 5p coin, 1p coin, 5p coin. Total: £30.30.
- Box 19 (bottom row, left):** £20 note, £20 note, £10 note, £5 note, 10p coin, 5p coin, 5p coin, 1p coin, 5p coin. Total: £40.30.
- Box 20 (bottom row, middle):** £2 coin, £2 coin, £2 coin, £2 coin, £2 coin, £2 coin, 1p coin, 5p coin, 1p coin, 5p coin. Total: £12.02.
- Box 21 (bottom row, right):** £20 note, £20 note, £20 note, 50p coin, 10p coin, 5p coin, 10p coin, 5p coin, 10p coin, 5p coin, 10p coin. Total: £60.50.
- Box 22 (bottom row, far right):** £10 note, £10 note, £10 note, £10 note, 10p coin, 5p coin, 5p coin, 1p coin, 5p coin. Total: £40.30.



Make 50p in two ways using the coins below.

You can use the coins more than once.



# MONEY

How many ways can you make 10p using only copper coins?



Did you use a strategy?



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You can use the coins more than once.



# MONEY

How many ways can you make 10p using only copper coins?



Did you use a strategy?





Make 50p in two ways using the coins below.

You can use the coins more than once.



Example answers:  
20p, 20p, 10p.  
10p, 10p, 10p, 10p, 10p

# MONEY

How many ways can you make 10p using only copper coins?

Did you use a strategy?

Example answers:  
2p, 2p, 2p, 2p, 2p, 2p

2p, 2p, 2p, 2p, 1p, 1p



Make 50p in two ways using the coins below.

You can use the coins more than once.



Example answers:  
20p, 20p, 10p.  
10p, 10p, 10p, 10p, 10p

# MONEY

How many ways can you make 10p using only copper coins?

Did you use a strategy?

Example answers:  
2p, 2p, 2p, 2p, 2p, 2p

2p, 2p, 2p, 2p, 1p, 1p



Make 60p in two different ways using the coins below.

You can use the coins more than once.



# MONEY

How many ways can you make 10p using only copper coins?

Did you use a strategy?



Make 60p in two different ways using the coins below.

You can use the coins more than once.



# MONEY

How many ways can you make 10p using only copper coins?

Did you use a strategy?





Make 60p in two different ways using the coins below.

You can use the coins more than once.



Example answers:  
20p, 20p, 20p  
20p, 20p, 10p, 5p, 5p.

# MONEY

How many ways can you make 10p using only copper coins?

Did you use a strategy?

Example answers:  
2p, 2p, 2p, 2p, 2p, 2p  
2p, 2p, 2p, 2p, 1p, 1p



Make 60p in two different ways using the coins below.

You can use the coins more than once.



Example answers:  
20p, 20p, 20p  
20p, 20p, 10p, 5p, 5p.

# MONEY

How many ways can you make 10p using only copper coins?

Did you use a strategy?

Example answers:  
2p, 2p, 2p, 2p, 2p, 2p  
2p, 2p, 2p, 2p, 1p, 1p



Make the sum of nineteen pence and twenty-two pence in three different ways using the coins below.

You can use the coins more than once.



# MONEY

How many ways can you make 12p using only copper coins?

Try to use a strategy so you find all the ways easily.



Make the sum of nineteen pence and twenty-two pence in three different ways using the coins below.

You can use the coins more than once.



# MONEY

How many ways can you make 12p using only copper coins?

Try to use a strategy so you find all the ways easily.



Make the sum of nineteen pence and twenty-two pence in three different ways using the coins below.

You can use the coins more than once.



Example answers:  
 20p, 20p, 1p,  
 10p, 10p, 10p, 10p, 1p  
 20p, 10p, 5p, 5p, 1p

# MONEY

How many ways can you make 12p using only copper coins?

Try to use a strategy so you find all the ways easily.

Example answers:  
 2p, 2p, 2p, 2p, 2p, 2p  
 2p, 2p, 2p, 2p, 2p, 1p, 1p  
 2p, 2p, 2p, 2p, 1p, 1p, 1p, 1p



Make the sum of nineteen pence and twenty-two pence in three different ways using the coins below.

You can use the coins more than once.



Example answers:  
 20p, 20p, 1p,  
 10p, 10p, 10p, 10p, 1p  
 20p, 10p, 5p, 5p, 1p

# MONEY

How many ways can you make 12p using only copper coins?

Try to use a strategy so you find all the ways easily.

Example answers:  
 2p, 2p, 2p, 2p, 2p, 2p  
 2p, 2p, 2p, 2p, 2p, 1p, 1p  
 2p, 2p, 2p, 2p, 1p, 1p, 1p, 1p