

Reasoning and Problem Solving

Step 9: Find Change

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](#)

Mathematics Year 2: (2M9) [Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change](#)

Differentiation:

Questions 1, 4 and 7 (Problem Solving)

Developing Identify the items that can be bought using knowledge of finding change. All amounts in multiple of 10 pence.

Expected Identify the items that can be bought using knowledge of finding change. Starting amounts are multiples of 10 pence up to £1.

Greater Depth Identify the items that can be bought using knowledge of finding change from given amounts of up to £1. Questions include written amounts of multiple values.

Questions 2, 5 and 8 (Problem Solving)

Developing Identify the coins that can be given using knowledge of finding change. All amounts in multiple of 10 pence.

Expected Identify the coins that can be given using knowledge of finding change. Starting amounts are multiples of 10 pence up to £1.

Greater Depth Identify the coins that can be given using knowledge of finding change from given amounts of up to £1. Questions include written amounts of multiple values.

Questions 3, 6 and 9 (Reasoning)

Developing Identify and explain which statement is correct using knowledge of finding change. All amounts in multiple of 10 pence.

Expected Identify and explain which statement is correct using knowledge of finding change. Starting amounts are multiples of 10 pence up to £1.

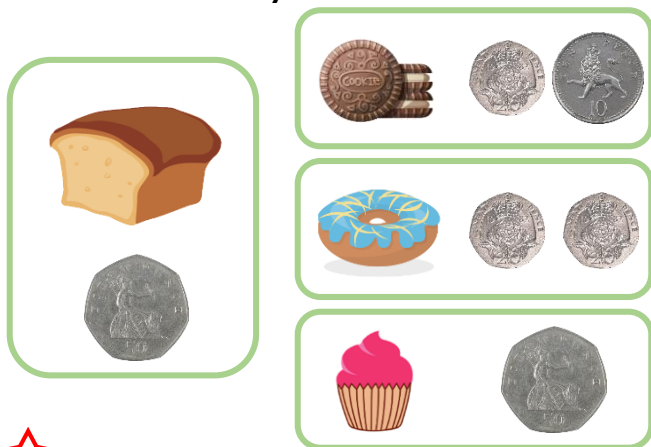
Greater Depth Identify and explain which statement is correct using knowledge of finding change from given amounts of up to £1. Questions include written amounts of multiple values.

More [Year 2 Money](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Find Change

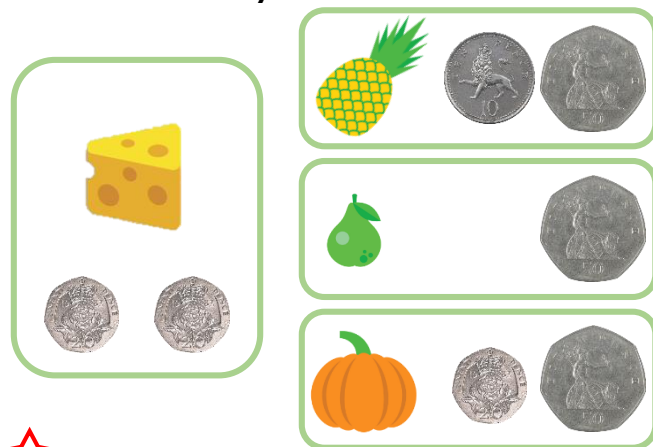
1a. Maisie is given 90p to buy bread. She is allowed to spend the change. What can she buy?



PS

Find Change

1b. Jasper is given £1 to buy cheese. He is allowed to spend the change. What can he buy?



PS

2a. Ethan has the coins below to go shopping.



I have spent 40p.



The shopkeeper gives Ethan his change.

What coins could he have?



PS

2b. Thea has the coin below to go shopping.



I have spent 50p.



The shopkeeper gives Thea her change.

What coins could she have?



PS

3a. Sunita has £1. She buys some stickers that cost 70p.



I need 40p change.



Is Sunita correct? Explain your answer.



R

3b. Edward has 60p. He buys some biscuits that cost 30p.



I need 20p change.




Is Edward correct? Explain your answer.




R

Find Change


4a. Lauren is given £1 to buy milk. She is allowed to spend the change. What can she buy?




70p



22p



38p




28p

PS




Find Change


4b. Karl is given 80p to buy butter. He is allowed to spend the change. What can he buy?




40p



39p



46p




31p


PS



5a. Hamil has the coins below to go shopping.



I have spent 47p.




The shopkeeper gives Hamil his change.

What coins could he have?


PS



5b. Niamh has the coins below to go shopping.



I have spent 39p.




The shopkeeper gives Niamh her change.

What coins could she have?


PS



6a. Simon has £1. He buys some sweets that cost 69p.



I need 41p change.




Is Simon correct? Explain your answer.


R



6b. Pippa has 70p. She buys some cupcakes that cost 47p.



I need 25p change.



Is Pippa correct? Explain your answer.

R



Find Change

7a. Alana is given 99p to buy a bottle of water. She is allowed to spend the change. What can she buy?



fifty-three pence



thirty-nine pence



forty-five pence



forty-seven pence



PS

Find Change

7b. Elijah is given 81p to buy a carton of juice. He is allowed to spend the change. What can he buy?



thirty-nine pence



forty-one pence



forty-three pence



forty-two pence



PS

8a. Lydia has the coins below to go shopping.

2 lots of
20p coins

5 lots of
5p coins

4 lots of
2p coins



I have spent forty pence.

The shopkeeper gives Lydia her change.

What coins could she have?



PS

8b. Noah has the coins below to go shopping.

5 lots of
10p coins

7 lots of
5p coins

9 lots of
1p coins



I have spent fifty-six pence.

The shopkeeper gives Noah his change.

What coins could he have?



PS

9a. Aidan has £1. He buys some crayons that costs the amount shown below.



I need forty-two pence change.

Is Aidan correct? Explain your answer.



R

9b. Ellie has 93p. She buys a book that costs the amount shown below.



I need twenty-six pence change.

Is Ellie correct? Explain your answer.



R

Reasoning and Problem Solving

Find Change

Developing

- 1a. Maisie could buy the biscuits or the doughnut because she has 40p change.
- 2a. Any arrangement of 40p, for example: 10p + 10p + 10p + 10p.
- 3a. Sunita is incorrect because $£1 - 70p = 30p$. She would have 10p too much change if she was given 40p.

Expected

- 4a. Lauren could buy the cherries or the strawberry because she has 30p change.
- 5a. Any arrangement of 43p, for example: 20p + 20p + 2p + 1p.
- 6a. Simon is incorrect because $£1 - 69p = 31p$. He would have 10p too much change if he was given 41p.

Greater Depth

- 7a. Alana could buy the bread or the popcorn because she has 46p change.
- 8a. Any arrangement of 33p, for example: 10p + 20p + 2p + 1p.
- 9a. Simon is incorrect because $£1 - 57p = 43p$. He would need 1p more to have the correct change.

Reasoning and Problem Solving

Find Change

Developing

- 1b. Jasper could buy the pineapple or the pear because he has 60p change.
- 2b. Any arrangement of 50p, for example: 20p + 20p + 10p.
- 3b. Edward is incorrect because $60p - 30p = 30p$. He would need 10p more change.

Expected

- 4b. Karl could buy the orange or the lemon because he has 40p change.
- 5b. Any arrangement of 41p, for example: 10p + 10p + 20p + 1p.
- 6b. Pippa is incorrect because $70p - 47p = 23p$. She would have 2p too much change if she was given 25p.

Greater Depth

- 7b. Elijah could buy the cupcake or the crisps because she has 42p change.
- 8b. Any arrangement of 38p, for example: 10p + 10p + 10p + 5p + 2p + 1p.
- 9b. Ellie is incorrect because $93p - 77p = 16p$. She would have 10p too much change if she was given 26p.