

# Worked Examples

## Money

### Year 3

#### Instructions

A pupil has been given a set of questions to answer. They tried their best but think they have got some answers wrong.

Go through the work and check the answers. Help the pupil to understand their errors by explaining where they have gone wrong or how to find the correct answer (there are prompts below the questions to help you).

Note that you will not always be asked to provide the correct answer.

1 £4 and 55p + £2 and 67p =

$$£4 + £2 = £6$$

$$50p + 60p = 110p$$

$$7p + 5p = 12p$$

$$110p + 12p = 122p$$

£6 and 122p

This answer is: ☐ Correct ☐ Incorrect

If incorrect, what should the answer be? Explain.

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2 Complete the table.

| £ and p    | p    |
|------------|------|
| £124       | 124p |
| £4 and 5p  | 45p  |
| £5 and 40p | 54p  |

The answers are: ☐ Correct ☐ Incorrect

If incorrect, what should the answers be? Explain.

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3 £2 - £1 and 35p =

£2 - £1 = £1  
 £1 = 100p  
 100p - 30p = 70p  
 5p + 5p = 10p

75p

This answer is: ☐ Correct ☐ Incorrect

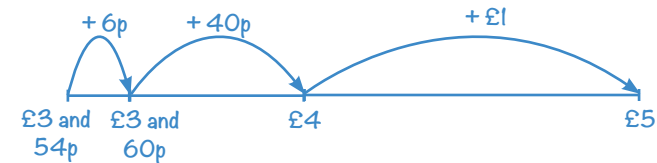
If incorrect, explain the error.

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4 Theo spends £3 and 54p on a new toy. He pays with a £5 note. How much change will he get?



£1 and 64p

This answer is: ☐ Correct ☐ Incorrect

If incorrect, what should the answer be? Explain.

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5 £3 and 99p + £2 and 49p =

£3 and 99p is roughly £3  
 £2 and 49p is roughly £2  
 £3 + £2 = £5

£5

This answer is: ☐ Correct ☐ Incorrect

If incorrect, explain the error.

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# Answers

| Q no. | Question                                                                                                | Correct/<br>Incorrect | Error/ Additional Guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------|---------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | £4 and 55p + £2 and 67p<br>= £6 and 122p                                                                | Incorrect             | The pupil has added values correctly and has generally found a correct answer, however, they have not converted 122p to pounds and pence. This could show that the pupil is not secure in their understanding of how many pence are in one pound.<br><br>Correct answer - £7 and 22p or £7.22                                                                                                                                                                                |
| 2     | Complete the table<br>£124, 45p, 54p                                                                    | Incorrect             | The pupil does not understand how to convert between pounds and pence. In the first question, they have swapped the 'p' for '£' believing that the values are equivalent. In the second question, they have not understood that £4 is 400p and have, instead, merged the digits. In the final question, the pupil has not understood the value of the place holder (0) and has removed it, altering the value of the digits.<br><br>Correct answers - £1 and 24p, 405p, 540p |
| 3     | £2 - £1 and 35p = 75p                                                                                   | Incorrect             | The pupil has subtracted £1 from £2 successfully. They have then attempted to find a number bond to 100 to find the difference between 35p and 100p. To do this, they know that 30p + 70p = 100p and they know that 5p + 5p = 10p. They have failed to understand that this is a total of 110p, not 100p.<br><br>Correct answer - 65p                                                                                                                                        |
| 4     | Theo spends £3 and 54p on a new toy. He pays with a £5 note. How much change will he get?<br>£1 and 64p | Incorrect             | The pupil has used a number line correctly to find the change given. They have, however, not added the 'jumps' they made correctly. They have swapped the digits 6 and 4 in their answer, making it incorrect.<br><br>Correct answer - £1 and 46p                                                                                                                                                                                                                            |
| 5     | £3 and 99p + £2 and 49p<br>= £5                                                                         | Incorrect             | The pupil has tried to approximate the numbers to make the calculation easier. There are two key errors made in this question. Firstly, the pupil has not found accurate approximations for the values given. More appropriate approximations would be £4 and £2 and 50p. Secondly, the pupil has used their approximations to find their answer instead of using that to check an answer they have found from the original values.<br><br>Correct answer - £6 and 48p       |