

Worked Examples

Money

Year 4

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

Complete the table

£	p
£19.90p	199p
£3.50p	305p
£2.50	£25p
£5.67	£5670p

The answers are: ☐ Correct ☐ Incorrect

If incorrect, explain the errors.

2 Abigail buys three books. They cost £4.99 each. How much does she pay?

$\pounds 4 + \pounds 4 + \pounds 4 = \pounds 12$
 99p is almost $\pounds 1$
 $\pounds 1 + \pounds 1 + \pounds 1 = \pounds 3$
 $\pounds 3 + 3p = \pounds 3.03$
 $\pounds 12 + \pounds 3.03 = \pounds 15.03$

£15.03

This answer is: ☐ Correct ☐ Incorrect

If incorrect, explain the error.

3 Complete the statements using $<$, $>$ or $=$

8lp	£0.81	=	81p
204p	£2.04	<	420p
324p	£3.24	>	159p

This answer is: ☐ Correct ☐ Incorrect

Explain how to compare values in pounds to values in pence.

4 Order from smallest to largest.

138p £7.23 1,342p £25 £4.10

£4.10 £7.23 £25 138p 1,342p

Smallest Largest

This answer is: ☐ Correct ☐ Incorrect

If incorrect, what should the answer be? Explain.

5 Harris has £36. He spends a third of this, how much does he have left?

£12

This answer is: ☐ Correct ☐ Incorrect

Prove the answer is correct/ incorrect.

Answers

Q no.	Question	Correct/ Incorrect	Error/ Additional Guidance
1	Complete the table £19.90p, £3.50p, £25p, £5,670p	Incorrect	The pupil does not understand how many pence make one pound. They have no consistent way of converting pounds to pence and vice-versa. When converting 305p, they have swapped the digits '0' and '5' showing they do not fully understand the value of 0 as a place holder in the question. They have also included both notations of £ and p in their answers. They do not understand that using both is incorrect and confusing. Correct answers - £1.99, £3.05, 250p, 567p
2	Abigail buys three books. They cost £4.99 each. How much does she pay? £15.03	Incorrect	The pupil has partitioned the values to make them easier to add. They have correctly added the pounds, however, they have not correctly added the pence. They have understood that 99p is close to £1, which is easier to add. Having added 3 lots of £1, they have identified that there is a 3p adjustment to be made but instead of subtracting this, they have added it. Correct answer - £14.97
3	Complete the statements using <, > or = =, <, >	Correct	The pupil has correctly converted the pounds to pence (as seen in blue next to the question). After doing this, they have been able to compare the values. By converting the pounds to pence, the pupil has found a common unit of measure, making it easier to compare the values.
4	Order from smallest to largest. £4.10, £7.23, £25, 138p, 1,342p	Incorrect	The pupil has ordered the values as if they were numbers alone. When comparing them, they have not converted them to the same unit of measure, instead they have removed the £ or p. This has altered the values of money and made it very difficult to compare. Correct answer – 138p, £4.10, £7.23, 1,342p, £25
5	Harris has £36. He spends a third of this, how much does he have left? £12	Incorrect	The pupil has found how much Harris has spent, not how much he has left. This shows that the pupil can find unit fractions of money but cannot apply this to non-unit fractions. Correct answer - £24