## Homework/Extension Step 3: Adding Money

## National Curriculum Objectives:

Mathematics Year 3: (3M9a) Add and subtract amounts of money to give change, using both £ and p in practical contexts

## **Differentiation:**

Questions 1, 4 and 7 (Varied Fluency)

**Developing** Identify which child has earned the least pocket money by adding two amounts of money. Additions involve no exchanges. Pictorial support and scaffolding for the answer is provided.

Expected Identify which child has earned the most pocket money by adding two amounts of money. Additions involve some exchanges.

Greater Depth Identify which child has earned the neither the most nor the least pocket money by adding two amounts of money. Additions involve multiple exchanges and various conversions between £ and p.

## Questions 2, 5 and 8 (Varied Fluency)

**Developing** Identify the odd one out in a given pattern, using knowledge of adding two amounts of money. Additions involve no exchanges. Pictorial support and scaffolding for the answer is provided.

Expected Identify the odd one out in a given pattern, using knowledge of adding two amounts of money. Additions involve some exchanges.

Greater Depth Identify the odd one out in a pattern, using knowledge of adding two amounts of money. Additions involve multiple exchanges and various conversions between £ and p.

## Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Complete the bar model by finding a possible total value, using the coins provided. Addition involves no exchanges. Pictorial support and scaffolding provided. Expected Complete the bar model in two different ways by finding two possible total values, using the coins provided. Addition involves some exchanges.

Greater Depth Complete the bar model by finding a possible total value, using the amounts provided. Addition involves multiple exchanges and various conversions between £ and p.

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Homework/Extension – Adding Money – Teaching Information



2. The contents of four money bags is shown below. Which money bag's total does not fit the pattern?



3. Complete the bar model by replacing each splat with a coin shown below.



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Homework/Extension – Adding Money – Year 3 Developing

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Homework/Extension - Adding Money - Year 3 Expected

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9. Complete the bar model by replacing each splat with an amount shown below.

HW/Ext



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Homework/Extension – Adding Money – Year 3 Greater Depth

## Homework/Extension Adding Money

### Developing

1. Michael has earned the least pocket money over the last two weeks because £5 and 50p is less than Jemma and Ollie's identical total (£5 and 80p).

2. D's total does not fit the pattern because £4 and 90p is greater than £3 and 90p and the other three money bags are arranged in descending order.

3. A. 5p and B. 20p; £2 and 70p + £3 and 20p = £5 and 90p; or A. 20p and B. 5p; £2 and 85p + £3 and 5p = £5 and 90p

### Expected

4. Jaxon has earned the most pocket money over the last two weeks because £9 and 64p is greater than Florence's total (£9 and 25p) and Aisha's total (£8 and 95p).
5. D's total does not fit the pattern because £9 and 19p is less than £9 and 60p.
6. Various answers, for example: A. £2 coin, B. 5p coin, C. £1 coin; £5 and 95p + £1 and 30p = £7 and 25p.

### Greater Depth

7. Susan has earned the middle amount of pocket money because £18 and 99p is greater than Roger's total (£18 and 39p) but less than Matilda's total (£19 and 13p).
8. A's price tags do not fit the pattern because A's total = £11 and 43p whereas B, C, D and E's totals all include 22p and increase by £1 each time.
9. A. 20p coin, B. 5p coin, C. 2p coin, D. £5 note



