

# Discussion Problems

## Step 5: Giving Change

### National Curriculum Objectives:

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

### About this resource:

This resource has been designed for pupils who understand the concepts within [this step](#). It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

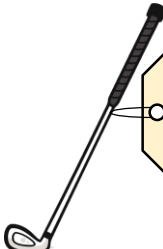

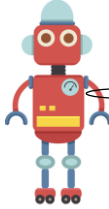



We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More [Year 3 Money](#) resources.

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

# Giving Change

1. Stephanie and Warren buy two or less items each from the car boot sale. They both start with a £10 note. Stephanie has three more coins than Warren in her change and has no two coins the same. Warren has a note and four coins. All his coins are different but none of these are gold. Explore the different items they could have both bought from the car boot sale.

 Three lots of 50p and five 5p coins.	 £4 and 15p	 359p
 £5 and 13p	 199p	 Three 20p coins, nine 5p coins and two 2p coins.





DP

2. Fred and Poppy visit the DIY store. They buy two items each. They both have two notes with a total value of less than £20. Poppy spends more than Fred.

## Garden Department

 Compost £5 and 12p	 Plant seeds £1 and 49p	 Spade £7 and 32p	 Gloves £4 and 99p
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## Construction Department

 Tool box £8 and 24p	 Screwdrivers £3 and 79p	 Spanner £2 and 15p	 Safety goggles £6 and 36p
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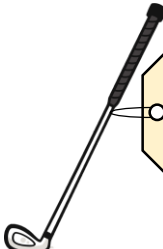

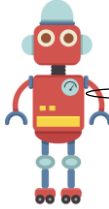



What two notes could Poppy and Fred have?

Explore which two items they buy if their change is no greater than £3 and 50p.

DP

# Giving Change

1. Stephanie and Warren buy two or less items each from the car boot sale. They both start with a £10 note. Stephanie has three more coins than Warren in her change and has no two coins the same. Warren has a note and four coins. All his coins are different but none of these are gold. Explore the different items they could have both bought from the car boot sale.

 Three lots of 50p and five 5p coins.	 £4 and 15p	 359p
 £5 and 13p	 199p	 Three 20p coins, nine 5p coins and two 2p coins.

Various answers, for example: Stephanie could have bought the drum and the padlock with £2 and 88p change (£2, 50p, 20p, 10p, 5p, 2p and 1p); Warren could have bought just one item: the suitcase with £5 and 85p change (£5, 50p, 20p, 10p and 5p).

DP

2. Fred and Poppy visit the DIY store. They buy two items each. They both have two notes with a total value of less than £20. Poppy spends more than Fred.

## Garden Department


  
**Compost**  
 £5 and 12p

  
**Plant seeds**  
 £1 and 49p

  
**Spade**  
 £7 and 32p

  
**Gloves**  
 £4 and 99p

## Construction Department

  
**Tool box**  
 £8 and 24p

  
**Screwdrivers**  
 £3 and 79p

  
**Spanner**  
 £2 and 15p

  
**Safety goggles**  
 £6 and 36p

What two notes could Poppy and Fred have? **Poppy could have one £10 note and one £5 note, Fred could have two £5 notes.**

Explore which two items they buy if their change is no greater than £3 and 50p. **Various answers, for example: Poppy could buy compost and a tool box and have £1 and 64p change from £15. Fred could buy plant seeds and safety goggles and have £2 and 15p change from £10.**

DP