

Discussion Problems

Step 1: Count Money – Pence

National Curriculum Objectives:

Mathematics Year 2: (2M3a) [Recognise and use symbols for pounds \(£\) and pence \(p\); combine amounts to make a particular value](#)

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 2 Money](#) resources.

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Count Money – Pence

1. Jack, Elsa and Tom are counting their pocket money.



Jack

I have 7 coins. The total is greater than 61p but less than 99p.

I have 4 coins. They total less than 50p.



Elsa



Tom

My amount is more than Elsa's but less than Jack's.

Using the coins below, explore the different combinations of coins each child could have. The children may have more than one of each coin.



DP

2. Theo wants to buy one item from the shop. He has the following coins in his piggy bank:



He uses 6 coins to pay for one of the following items:



Drink
75p



Lolly
13p



Apple
18p



Crisps
25p



Cake
89p

Investigate the different items Theo could have bought and the coins he could have used.

DP

Count Money – Pence

1. Jack, Elsa and Tom are counting their pocket money.



I have 7 coins. The total is greater than 61p but less than 99p.

I have 4 coins. They total less than 50p.



My amount is more than Elsa's but less than Jack's.

Using the coins below, explore the different combinations of coins each child could have. The children may have more than one of each coin.



Various answers, for example: Jack could have 1p, 1p, 2p, 5p, 10p, 10p, 50p (79p); Elsa could have 1p, 2p, 5p, 20p (28p) and Tom could have 20p, 20p and 10p (50p).

DP

2. Theo wants to buy one item from the shop. He has the following coins in his piggy bank:



He uses 6 coins to pay for one of the following items:



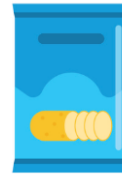
Drink
75p



Lolly
13p



Apple
18p



Crisps
25p



Cake
89p

Investigate the different items Theo could have bought and the coins he could have used. Theo could buy the drink (20p, 20p, 10p, 10p, 10p, 5p), the crisps (10p, 5p, 5p, 2p, 2p, 1p) or the the apple (5p, 5p, 2p, 2p, 2p, 2p). He would not be able to buy the lolly or cake with 6 coins.

DP