

Discussion Problems

Step 2: Ordering Money

National Curriculum Objectives:

Mathematics Year 4: (4M1) [Estimate, compare and calculate different measures, including money in pounds and pence](#)

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 4 Money](#) resources.

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

Ordering Money

1. Three children are ordering their amounts of money.



Harriet

I have these coins:



I have the same number of coins as Harriet so our coins must have the same value.



Lu



Donny

I have more coins than Harriet but their total value is less than Lu's coins.

Is Lu correct? Explain how you know.

What combination of coins could Donny have? Find three possible solutions and order the total values from highest to lowest.

DP

2. Alex is posting some parcels. There are three parcel companies that offer a delivery service.



3kg



6kg

Parcel Mate
Price per kg -
£2.50

Send 'n' Go
Price per kg -
370p

Parcel Express
Price per kg -
£2.75

Calculate the cost of sending both parcels using each company.

Which company offers the best value? Order the total costs from lowest to highest.

DP

Ordering Money

1. Three children are comparing amounts of money.

Is Lu correct? Explain how you know.

Lu is incorrect. She does have the same number of coins as Harriet, but the value of her coins adds up to £2.57 and Harriet's coins make a total of £3.21.

What combination of coins could Donny have? Find three possible solutions and order the total values from highest to lowest.

Various possible answers, for example;



£3.21, £2.57 and 88p.

DP

2. Alex is posting some parcels. There are three parcel companies that offer a delivery service.

Calculate the cost of sending both parcels using each company.

Parcel Mate – 9kg x £2.50 = £22.50

Send 'n' Go – 9kg x 370p = 3330p or £33.30

Parcel Express – 9kg x £2.75 = £24.75

Which company offers the best value? Order the total costs from lowest to highest.

Parcel Mate offers the best value.

£22.50, £24.75 and £33.30

DP