

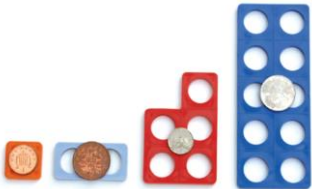


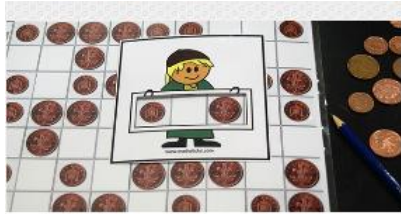


**Planning Overview
Year 1 Money**

Recognise and know the value of different denominations of coins and notes

Children may already recognise the 1p, 2p, 5p and 10p through work in Multiplication and Division unit where 2p, 5p and 10p coins were used to represent groups of 2, 5 and 10 where the group size was not visible. They now need to familiarise themselves with all the other coins and notes.

You may also want to consolidate ideas from addition and subtraction by applying them into money as suggested within this planning overview.

	Teaching and Learning
<p>Introduction Sorting and ordering coins</p>	<p>Give children one of each coin. How could you sort the coins? Do they sort them into shape, metal, value?</p> <p>Can they order coins by size or amount? What do they notice?</p> <p>Can they spot the mistake in a sequence of coins that has been ordered by size?</p> <p>Play Mathsticks coin recognition bingo to increase familiarity with coins.</p> <div data-bbox="411 1155 1414 1361">  <p>Coin Recognition Bingo</p> <p>We've had this idea in our heads for some time now but always wanted to do something a bit special with it. Well, here it is a Coin Recognition bingo game, with a difference... What's the difference? A good dash of mathsticks quality! The resource consists of a series of Bingo Boards, each depicting nine [...]</p> </div>
<p>Understand that the value of each coin relates to that number of pennies or pounds</p>	<p>Can they understand that all coins have a different value and that they can buy more with coins that are worth more money?</p> <p>Continue to use pre-money tokens or numicon with coins attached can help with these concepts if needed.</p> <div data-bbox="427 1662 1136 1733">  </div> <p>Money token images taken from NCETM – professional development materials)</p> <div data-bbox="437 1805 750 1993">  </div>

<p>Understand that the value of each note relates to that number of pounds</p>	<p>Show children a range of coins and pictures of items with their cost.</p> <p>Can they match any coins to the cost of an item? Can they pay for an item in different ways with combinations of coins?</p> <p>Introduce notes and their equivalence to sets of £1 coins.</p> <p>Ensure that children understand that pounds are worth much more than pennies and that 100 pennies is just one pound so all the paper money is worth more than all the coins.</p>
<p>Making amounts</p>	<p>Mathsticks – coin recognition mats. What different amounts can you make by looking through the view finder? How can you make the same amount in different ways?</p> <div data-bbox="411 723 1414 952">  <p>Coin Recognition Mats: 1p, 2p 5p, 10p</p> <p>We've taken our very popular Digit Window Frame resources and given them a little twist... we've added money. So, here's a 'hunt and seek' activity for children getting to grips with coin recognition. Cut out the window cards and challenge the children to place the frames on the coin mats so that specific amounts show [...]</p> </div> <p>Make a coin pattern (repeating or symmetrical). What is the total value of the coins?</p> <p>An apple costs 12p. Which two coins would pay for it? What combinations of 3 coins would pay for it?</p> <p>Mae has 2 silver coins in her purse. How much money might she have?</p> <p>Mathsticks – coin bingo addition – keep coins and when you can make a total on your bingo board cover it. Totals within 20.</p> <div data-bbox="411 1406 1414 1646">  <p>Coin Bingo – Addition</p> <p>How do you teach coin recognition? Here's a further development of our earlier Coin Recognition, Coin Bingo game. Like that earlier teaching resource (Coin Recognition Bingo), this can be used as a simple sorting and matching activity. However, it was designed to be used as a bingo game involving the addition of money. Each child has a Bingo [...]</p> </div> <div data-bbox="419 1691 1220 1742" style="background-color: #008080; color: white; text-align: center; padding: 5px;"> <p>Mastery</p> </div> <p>Show 19p using only 2p, 5p and 10p coins.</p> <p>Find three different ways to do it.</p> <div data-bbox="427 1832 742 1921">  </div>

Gob-stopper

Jade bought a gob-stopper.
It cost 6p.



She paid for it exactly.
Which coins did she use?

There are 5 different ways to do it.
Find as many as you can.

What if the gob-stopper cost 7p?

Teaching objectives

Solve mathematical problems or puzzles.
Know addition and subtraction facts up to 10.
Find totals, give change, and work out which coins to pay.

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Questions and Activities to Develop Reasoning

Is it Possible?

Is it possible to pay for a gob-stopper costing 6p using exactly three coins? What if it cost 7p? 8p?

Which amounts are possible using 3 coins?

What Could it Be?

I pay for a gob-stopper with four coins. The price of the gobstopper is less than 50p? What could it be?

Would you Rather?

Would you rather have the fifty of the lowest denomination of silver coins or 10 of the highest denomination of silver coins?

Another and Another

Give me a set of coins I could use to pay for a gob-stopper costing 25p. And another... And another...



Mastery with Greater Depth

Using only 2p, 5p and 10p coins, can you show 20p?

In how many different ways can you do this?

Are you sure you have got them all?

Explain how you know.

Consolidating Addition and subtraction through Money problems

Use money to recap simple one step addition and subtraction problems with the children.

Consider whether you want to introduce the concept of change. Can they apply related subtraction facts?

Michael had £5. He spent £3. How much did he have left?

Rosie had a 10p coin. She spent 3p. How much change did she get?

How much altogether is 1p and 2p and 5p?

Olivia spent 5p and 6p on sweets. What did she pay altogether?

Mastery with Greater Depth

Show children a price list with items costing up to 20p.

I have 20p to spend. If I spend 20p exactly, which two items could I buy? And another two, and another two.

If I bought one of the items how much change would I have? And another one, and another one.

Mastery with Greater Depth

Lollies cost 5p each.

A pack of 3 lollies costs 13p.

How much money do you save when you buy a pack of 3 lollies instead of 3 single lollies?

Maths challenges for able pupils – rows of coins – make an adaptation of this with fewer/smaller denomination coins. Children could challenge the adult.

Rows of coins



1. Take five coins: 1p, 2p, 5p, 10p, 20p.
Put them in a row using these clues.
The total of the first three coins is 27p.
The total of the last three coins is 31p.
The last coin is double the value of the first coin.

2. Take six coins: two 1p, two 2p and two 5p.
Put them in a row using these clues.
Between the two 1p coins there is one coin.
Between the two 2p coins there are two coins.
Between the two 5p coins there are three coins.

What if you take two 10p coins as well, and between them are four coins?

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Teaching objectives
Solve word problems involving money.
Explain methods and reasoning.

Questions and Activities to Develop Reasoning

Is it Possible?

I have one each of 1p, 2p, 5p, 10p and 20p. Is it possible to place all five coins in a row so each adjacent pair add to an even amount?

What Could They Be?

I have five coins. 3 of them total 32p. 3 of them total 17p. What could they be? Is this the only answer?

Convince Me

Convince me that I cannot make 63p using less than 4 coins.
Convince me 20p always has to be in the middle of the row.

Would You Rather?

Would you rather have any 3 silver coins or any 50 copper coins?