

## Maths -

### Monday

#### 2 digit sums of money using 10p and 1p coins

*Activity 1 - starter*

*Partition 2 digit numbers in 10s and 1s.*

*Example: 64*

*There are 6 10s and 4 1s in 64. I would write it as:*

$$\begin{array}{c} 64 \\ \diagdown \quad \diagup \\ 10 + 10 + 10 + 10 + 10 + 10 + 1 + 1 + 1 + 1 \end{array}$$

*Partition into 10s and 1s:*

1. 23
2. 38
3. 55
4. 72

## Worksheet 2:

Count out 2 digit sums of money using 10p and 1p coins.

Example: 54p

How many 10s and 1s are there in 54p?

There are 5 10s:  $10 + 10 + 10 + 10 + 10$  and 4 1s:  $1 + 1 + 1 + 1$ . So counting it out using coins would be:

$$10p + 10p + 10p + 10p + 10p + 1p + 1p + 1p + 1p = 54p$$

Use 10p and 1p to work out how many there are of:

1. 21p =
2. 34p =
3. 53p =
4. 76p =
5. 85p =
6. 62p =

### Challenge:

Amy wants to buy a chocolate that costs 37p. How many 10p and 1p coins does she need?

William buys a bottle for 85p. How many 10p and 1p coins did he use?

## Maths -

### Tuesday

#### Add and subtract sums of money in 10s and 1s

*Activity 1 - starter*

*Use coins to represent number bonds to 18 using the p notation.*

1.  $10p + \underline{\quad} = 18p$

2.  $12p + \underline{\quad} = 18p$

3.  $15p + \underline{\quad} = 18p$

4.  $4p + \underline{\quad} = 18p$

5.  $\underline{\quad} + 7p = 18p$

6.  $\underline{\quad} + 11p = 18p$

## Worksheet 2:

Add and subtract sums of money in 10s and 1s.

Example:  $36p + 23p = 59p$

23p is 2 10s and 3 1s. 20p is 10p + 10p and 3p is 1p + 1p + 1p. (I know I can count forwards, when I'm adding) so I will have a bigger number if I add.

So I count up in 10s, two times.  $36p + 10p + 10p = 56p$ . I counted up in 10s by adding 20p, which is 56p. Next, I am going count up in 1s. So  $56p + 1p + 1p + 1p = 59p$ .

Example:  $69p - 30p = 39p$

30p is 3 10s, so 10p + 10p + 10p. (I know I can count backwards when I'm taking away) so I will have a smaller number if I take away.

So I count backwards in 10s, 3 times.  $69p - 10p - 10p - 10p = 39p$ .

Work out:

1.  $12p + 10p =$
2.  $14p + 30p =$
3.  $39p - 8p =$
4.  $23p + 35p =$
5.  $78p - 50p =$
6.  $36p + 62p =$
7.  $89p - 43p =$

### Challenge:

Chloe has 24p. Her mum gives her 55p. How much does she have altogether?

Tom has 48p. He buys a sweet for 26p. How much does he have left?

Can Tom use a 50p coin to buy the sweet?

Explain how you know.

**Maths -**

**Wednesday**

**Buying items and calculating change from any coins**

*Activity 1 - starter*

*Ordering coins from 1p to £2 - smallest to largest*



## Worksheet 2:

Buying items and calculating change from any coins.

Example: A lollipop costs 30p.

I use a 50p coin to buy the lollipop. How much change do I get?

When I am working out the change, I know that I am subtracting. So the number is going to be smaller. Remember to subtract from the **bigger number**.  $50p - 30p = ?$

30p is 3 10s. So I am going to count backwards in 10s, from 50p, 3 times.  $50p - 30p = 20p$ . I will have 20p change.

Work out:

1.  $10p - 6p =$

2.  $20p - 11p =$

3.  $50p - 22p =$

4.  $£1 - 70p =$

5. Macey buys a sharpener for 15p. She pays with a 20p coin. How much change does she receive?

6. Ellen buys a pack of stickers for 41p. She pays with a 50p coin. How much change does she receive?

7. Brandon bought a toy car for 55p. He paid with a £1 coin. How much change does he receive?

8. Harry says "If I buy a drink for 30p and I pay using a 50p coin, I will have 30p change."

Is this correct? How do you know?

9. Ben buys a crisp and a drink that cost 65p altogether. He has a 50p coin and 10p coin. Is this enough money?

Explain how you know.

What other coins does he need?

## Maths -

### Thursday

#### Addition and subtraction problems using money

*Activity 1 - starter*

*Count out a given number of 1p, 2p, 5p and 10p coins.*

*You need to write out how many of these coins there are.*

*Example: 25p in 5p coins*

$$5p + 5p + 5p + 5p + 5p = 25p$$

*18p in 2p coins*

$$2p + 2p + 2p + 2p + 2p + 2p + 2p + 2p + 2p = 18p$$

*Work out:*

- 1. 12p in 2p coins*
- 2. 35p in 5p coins*
- 3. 50p in 10p coins*
- 4. 80p in 20p coins*
- 5. £2 in 50p coins*

## Worksheet 2:

Remember, you can count in 10s and 1s to help you work out some answers when needed.

Work out:

1. I need to buy 2 new wheels for my car. They cost 5p each. How much do they cost altogether?
2. Ron, Fran and David get on the train. Tickets cost 20p each. How much do they pay altogether?
3. Eve has £10 to spend. She spends £4. How much change does she have? Write the answer using coins.
4. A pencil costs 18p and pencil case costs 64p. Paul buys the pencil and pencil case. How much does it cost altogether?
5. Luis has £1. He spends 40p. How much change does he have?
6. Bella thinks a 50p coin is more than a £1 coin because the size is bigger. Is she correct?  
Explain your answer.
7. Jenny buys a packet of crisps using a 50p coin. She gets 12p change from the shopkeeper. How much was the packet of crisps?  
Explain your answer.