

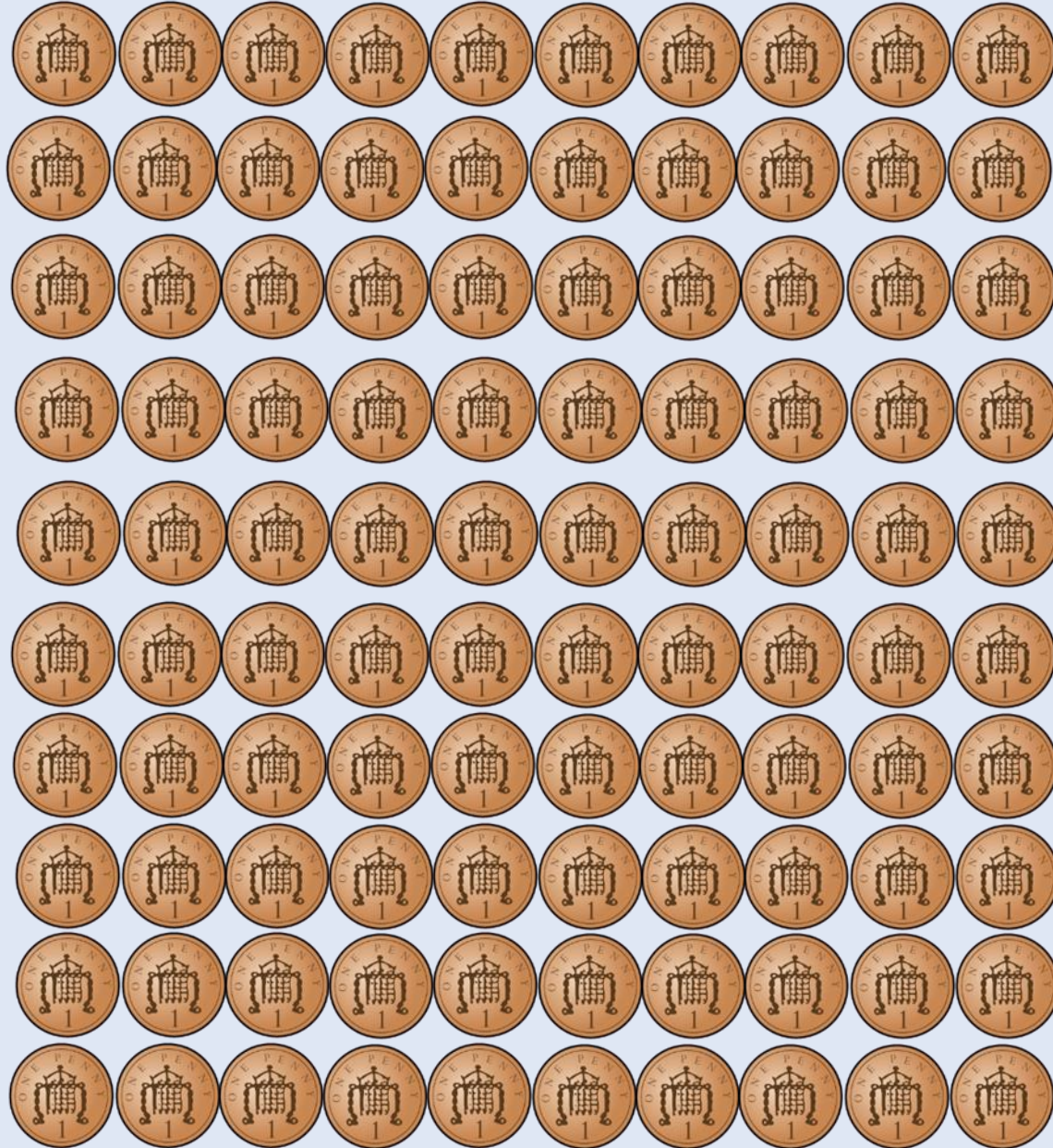
*Monday 15<sup>th</sup> December 2025*

15.12.25

# Mental Maths



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How many 1 pennies make the equal amount to £1?



## LQ: Can I work out change?

### Steps to Success:

*I know that change means I need to work out the difference between an amount and the coin used to pay.*

*I can work out the difference by subtracting two numbers.*

*I can work out the difference by counting on.*



# ★ Star Words ★

money



coins



pence

p

pound

£

amount



value



Total



difference

change

15.12.25

LQ: Can I work out change?

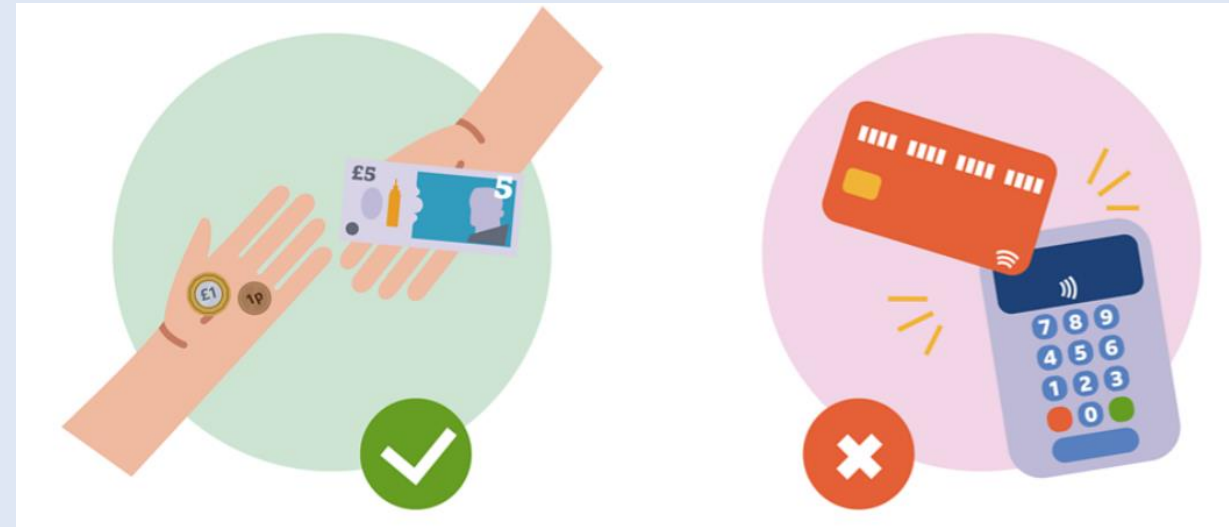
*Today you are going to work out and give change.*

*TP- What is change?*

*When and why do you give change?*

*You get change when you pay too much for an item.*

*This happens when you are paying with money and you don't have the exact amount.*



## Discover



Eshan wants to buy a drink costing **45p**. He has a **50p** coin. How much change does he get?

$$50p - 45p =$$

We can use a blank number line to work out how much change is given.

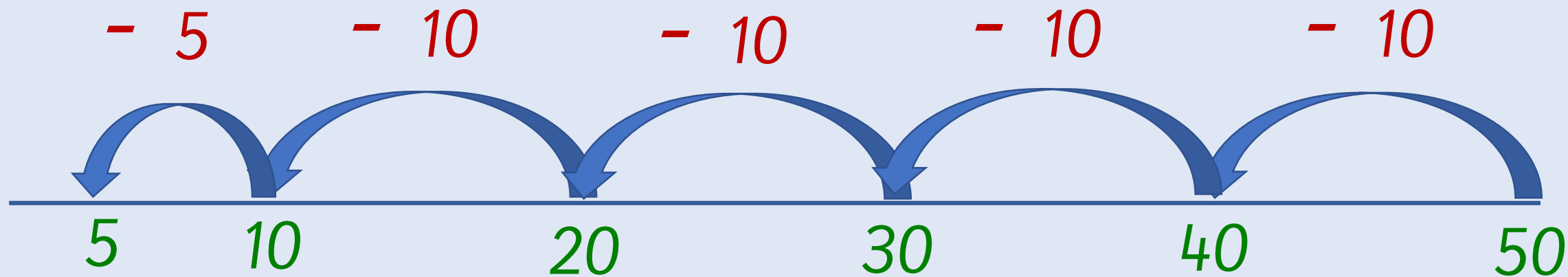
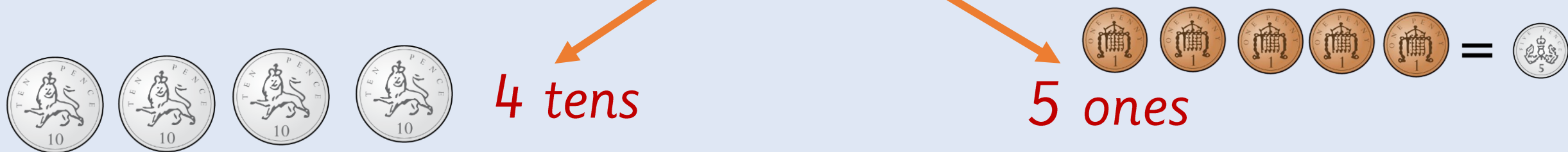
*Let's remind ourselves of the steps.*

*Some extra steps are added as we are working with money.*

- *First draw a blank number line.*
- *Then write the largest number at the end of the line.*
- *After partition the smaller number (money we are spending) into tens and ones.*
- *Select the coins to represent the tens and ones.*
- *Next make the jumps of tens backwards and write -10 on top of each jump.*
- *Lastly make the jumps of ones backwards and write -1 on top of each jump. You can also use the coins with the equal value.*
- *Finally fill in the missing numbers underneath the number line.*

We can use a number line to work out how much change is given.

Let's partition the **45** into tens and ones.



$$50p - 45p = 5p$$

So the change will be 5p.

I have 70p in my purse.



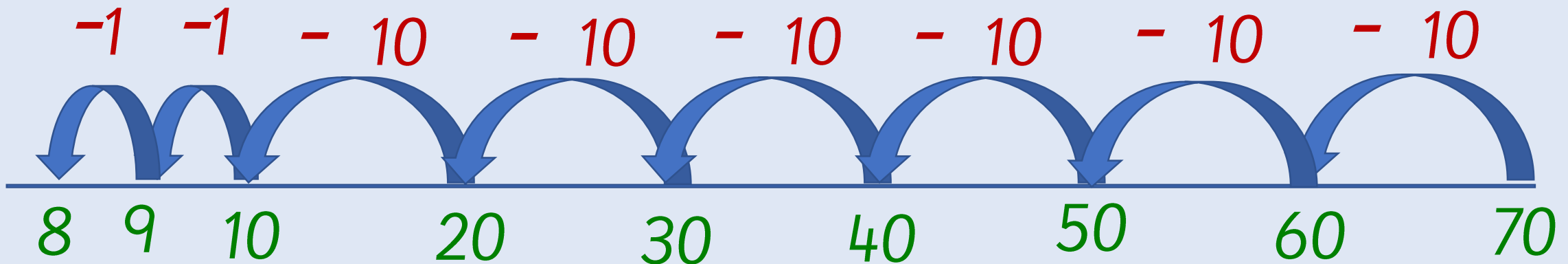
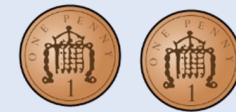
I buy a packet of crisp for 62p. How much change do I get?

Let's partition the 62 into tens and ones.



6 tens

2 ones



$$70p - 62p = 8p$$

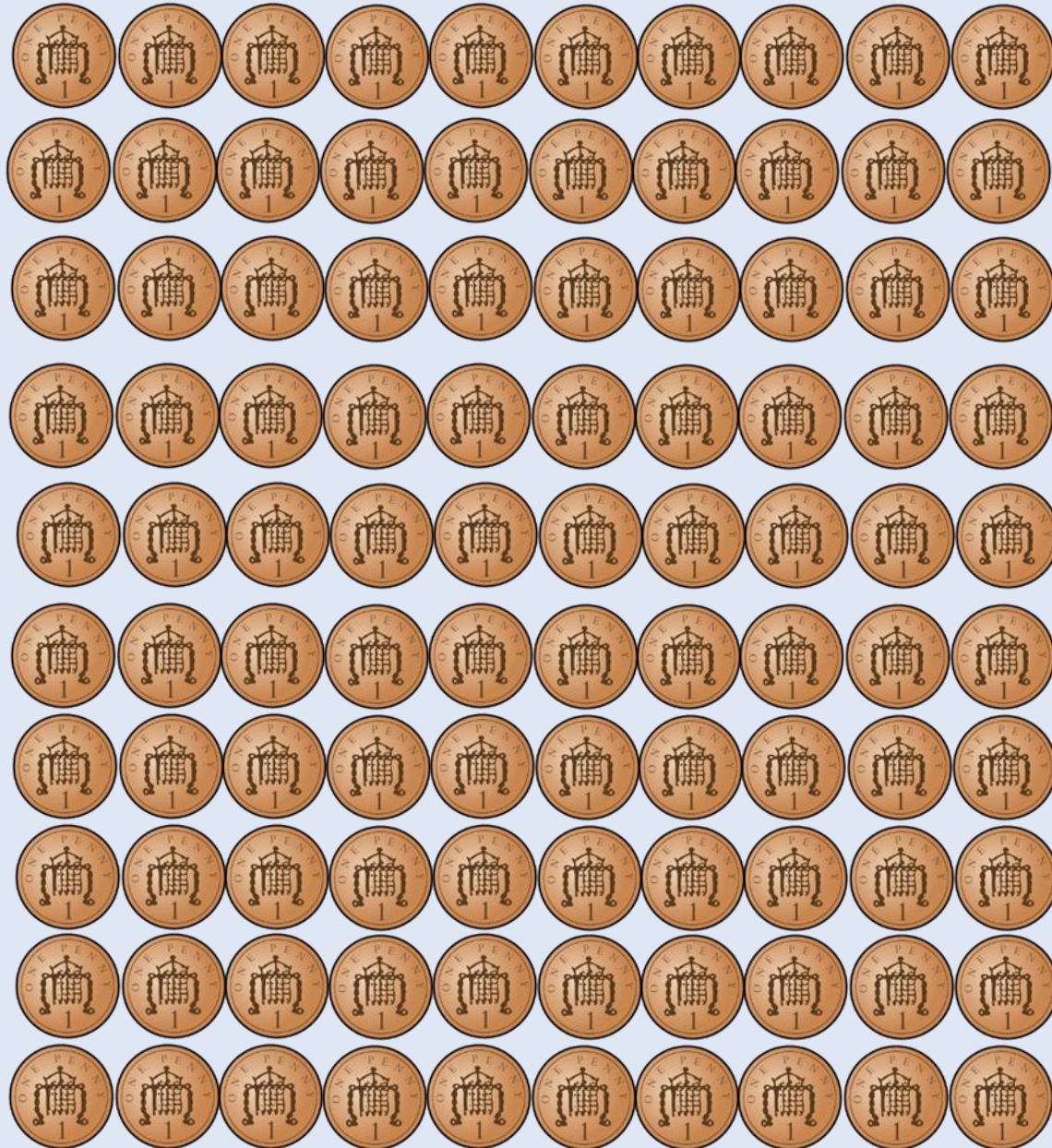
So the change will be 8p.

15.12.25

LQ: Can I work out change?



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*If you pay with a £1 coin, first you need to convert (exchange/swap) £1 into 100 pennies.*

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LQ: Can I work out change?

I have 100p (£1) in my purse.



I buy a packet of crisp for 75p. How much change do I get?

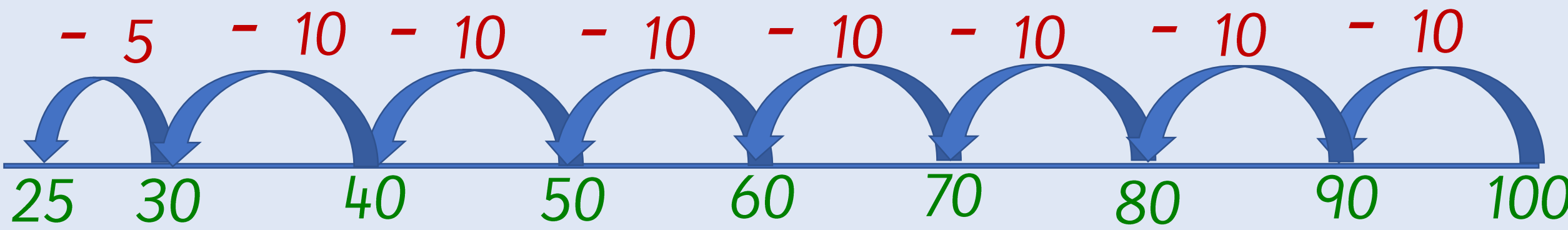
Let's partition the 75 into tens and ones.



7 tens



5 ones



$$100p - 75p = 25p$$

So the change will be 25p.



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LQ: Can I work out change?

Four 5 pence coins are worth **more** than two 10 pence coins.

Do you agree? Explain why.



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LQ: Can I work out change?

*I have 20p. My change is more than 5p but less than 10p.*

*What could I have bought?*



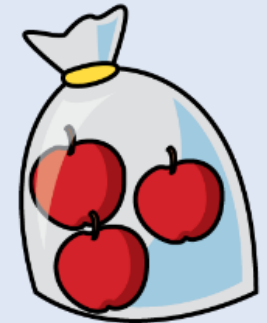
*Chocolate: 12p*



*Sweet: 7p*



*Banana: 4p*



*Apples: 18p*

*Work out the change for each item to help you solve this.*

# Task

Work with a partner to work out change using the blank number line.

Let's follow the steps to help us.

$$20p - 12p =$$



$$30p - 25p =$$



$$50p - 36p =$$



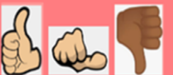
$$70p - 62p =$$



- *First draw a blank number line.*
- *Then write the largest number at the end of the line.*
- *After partition the smaller number into tens and ones using the coins.*
- *Select the coins to represent the tens and ones.*
- *Next make the jumps of tens backwards and write -10 on top of each jump.*
- *Lastly make the jumps of ones backwards and write -1 on top of each jump.*
- You can also use the coins with the equal value.*
- *Finally fill in the missing numbers underneath the number line.*

Self assessment

Do you understand the task?



*Tuesday 16<sup>th</sup> December 2025*

16.12.25

## Mental Maths

*Let's count backwards in 10s, 5s and 2s.*

<https://www.topmarks.co.uk/learning-to-count/paint-the-squares>



## LQ: Can I work out change?

### Steps to Success:

*I know that change means I need to work out the difference between an amount and the coin used to pay.*

*I can work out the difference by subtracting two numbers.*

*I can work out the difference by counting on.*



# ★ *Star Words* ★

*money*



*coins*



*pence*

*p*

*pound*

£

*amount*



*value*



*Total*



*difference*

*change*

16.12.25

LQ: Can I work out change?

*Today you are continuing with working out change.*

*TP – What does giving change mean?*

*What steps do we need to follow when subtracting on a number line?*

*What needs to be done with the £1 coin before subtracting.*

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LQ: Can I work out change?

Zainab has 70p.



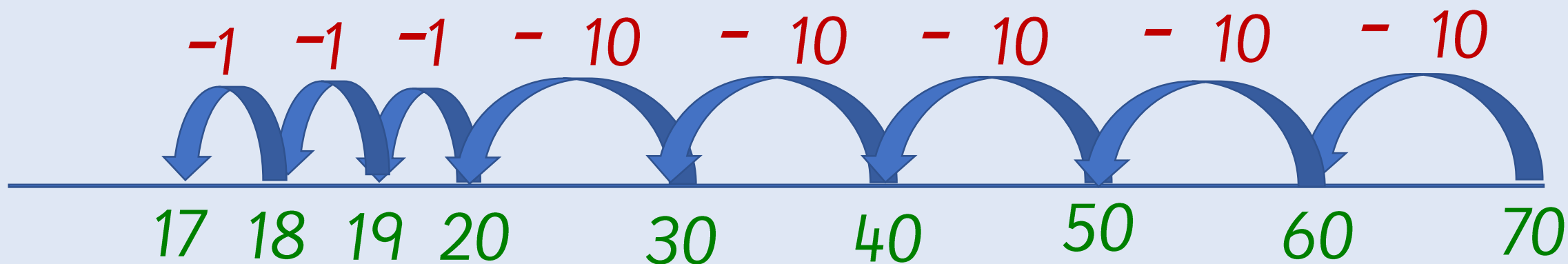
She spends 53p. How much change does she have left?

Let's partition the 53 into tens and ones.



5 tens

3 ones



$$70p - 53p = 17p$$

So the change will be 17p.

Mila has 40p in her purse

She spends 34p on a cupcake. How much change does she have left?

Let's follow the steps to work out the change.

- First draw a blank number line.
- Then write the largest number at the end of the line.
- After partition the smaller number into tens and ones using the coins.
- Select the coins to represent the tens and ones.
- Next make the jumps of tens backwards and write -10 on top of each jump.
- Lastly make the jumps of ones backwards and write -1 on top of each jump. You can also use the coins with the equal value.
- Finally fill in the missing numbers underneath the number line.



# 16.12.25

## Tasks

### LQ: Can I work out change?

Today I learnt to work out change using money. I used a blank number line to subtract from the given amount by partitioning the second digit into tens and ones and making the corresponding jumps.



$$20p - 15p = \underline{\quad}p$$

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$$30p - 12p = \underline{\quad}p$$

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$$50p - 30p = \underline{\quad}p$$

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subtract, coins, pence, value, amount, change



1. Find change for the following by subtracting. Draw a blank number line to show your work.

$20p - 18p =$



$30p - 22p =$



$40p - 33p =$



$50p - 48p =$



$70p - 65p =$



2. I have 20p.  
My change is more than 5p but less than 10p.

What could I have bought?



Chocolate: 12 p



Sweet: 7 p



Apples: 18 p



Banana: 4 p

You could have bought...

3. I paid for my shopping with **one coin**.

Here is my change.



What coin did I pay with?  
How much did my item cost?

Find all the possible answers.

Self assessment

Do you understand the task?

