

# Find The Difference

**Year 2 Maths: Thursday 21<sup>st</sup> January 2021**

Let's use our skills to  
find the difference  
between 2  
amounts of money.



# Fluency

Solve these addition and subtraction equations.

$$76 - 34 =$$

$$29 + 44 =$$

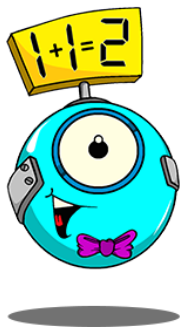
$$53 - 17 =$$

$$56 + 35 =$$

$$19 + 39 =$$

Mrs Riley has 44 biscuits in her cupboard.

She is very hungry so she eats 16 of them. How many does she have left?






Show your calculations as fact families

# Vocabulary

Number - Place Value Year 2

## Tens and Ones

A 2-digit number has tens and ones.




Tens	Ones
3	4

www.thenationalcurriculum.co.uk

Addition & Subtraction Year 2

## Crossing 10

Going past a multiple of 10 when you are adding or subtracting.

$$17 + 5 = 22$$


www.thenationalcurriculum.co.uk

Addition & Subtraction Year 2

## Calculation

Working out the answer to a maths problem.


$$4 + 5 = 9$$
$$10 - 5 = 5$$
$$20 - 4 = 16$$

www.thenationalcurriculum.co.uk


Number - Place Value Year 2

## Partition

To split/ separate/ divide numbers into smaller parts.  
This can make calculations easier.



You can also partition smaller numbers.



www.thenationalcurriculum.co.uk

Addition & Subtraction Year 2

## Efficient

Working in a way without wasting time.

$$18 + 6 =$$

An efficient way of adding would be to count on from 18 instead of starting from 0.

www.thenationalcurriculum.co.uk

# Anchor Task

Which amount is greater?



Talk to your grown up about your ideas and explain how you know.

# Anchor Task Answer



There is 70p in the yellow box but only 65p in the blue box. 70p has 7 tens. 65p has 6 tens. 7 tens is more than 6 tens. It doesn't matter that there are more coins in the blue box, it's their value that is important.

# Let's talk

How are these amounts different? Talk to your grown up.



# Let's talk

There are 10p coins in both boxes but there are 3 more coins in the yellow box. There is 30p in the blue box and 60p in the yellow box. The 3 extra coins in the yellow box are worth 30p. This tells me that there is 30p more in the yellow box.

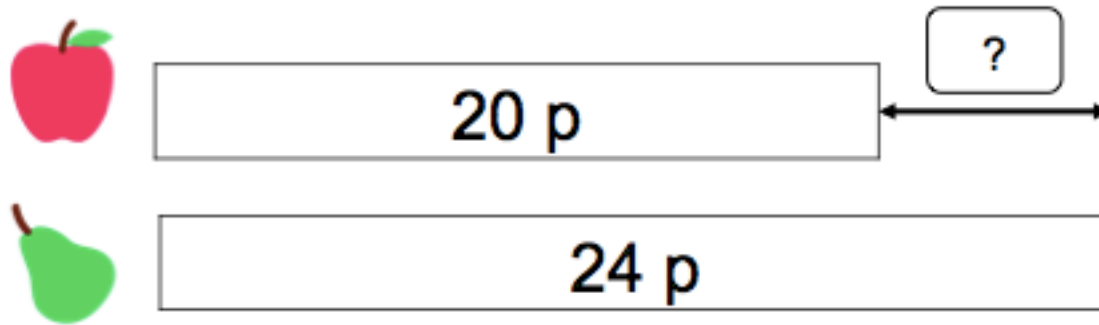


# What is 'finding the difference'?

To find the difference we compare two amounts.  
We see how many jumps on a number line there are between the two numbers.

Let's look at an example.

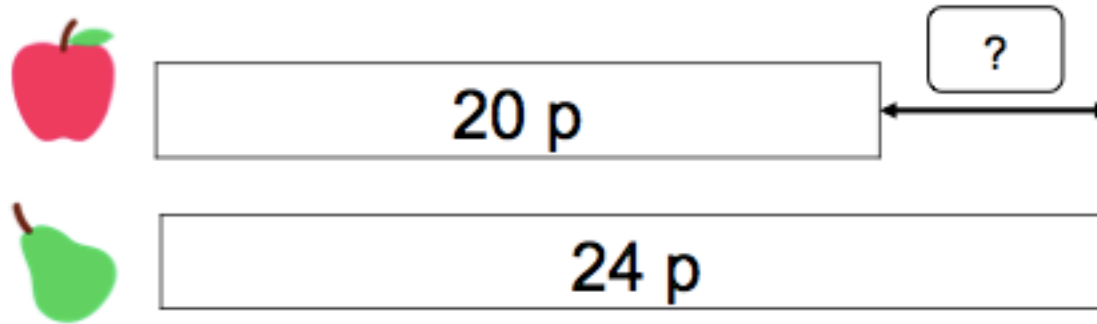
What is the price difference between the two types of fruit below?





# What is 'finding the difference'?

What is the price difference between the two types of fruit below?

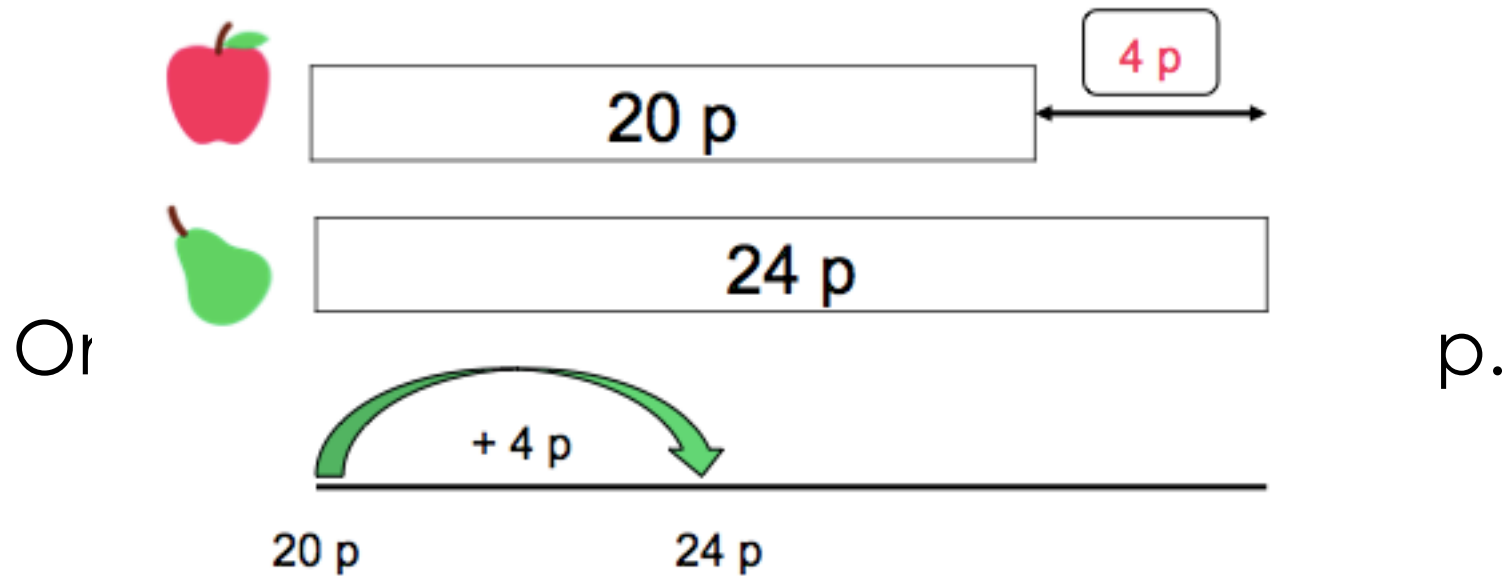


One piece costs 20p, the other costs 24p.

How many jumps on a number line are there between 20 and 24.

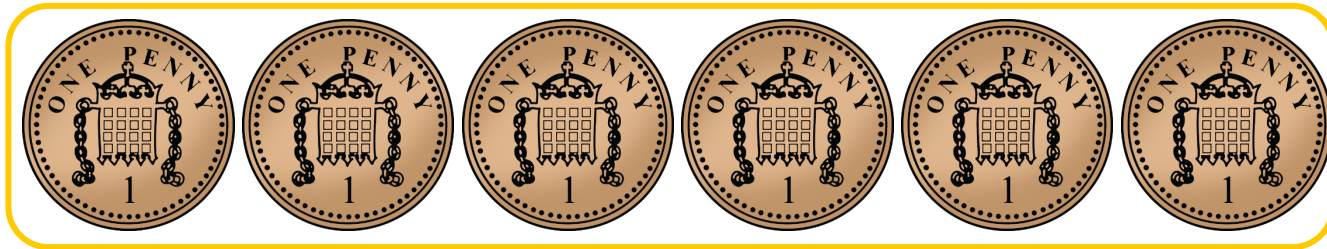
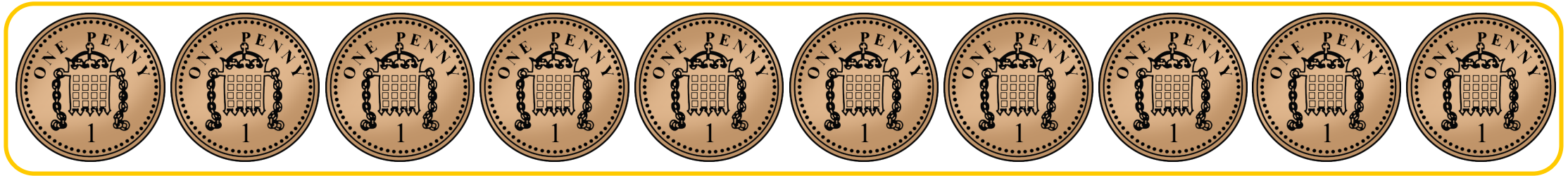
# What is 'finding the difference'?

Can you see how I have to jump on by 4 to move from 20p to 24p?  
That means the difference between 20p and 24p is 4p



# Explore

Sometimes we can just see what is different.

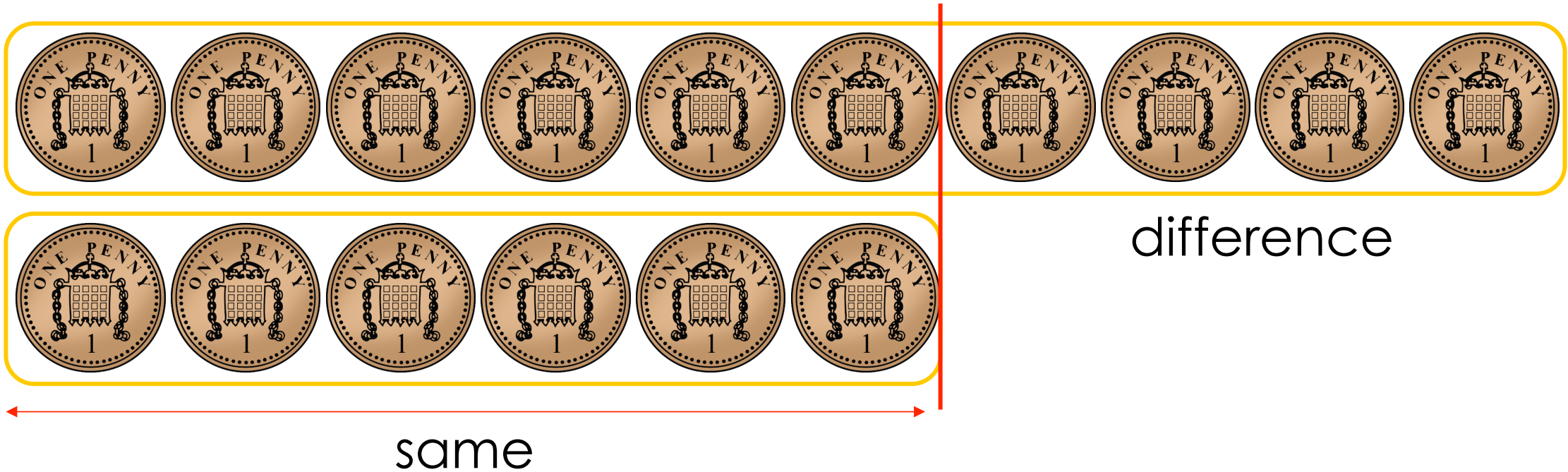


difference

same

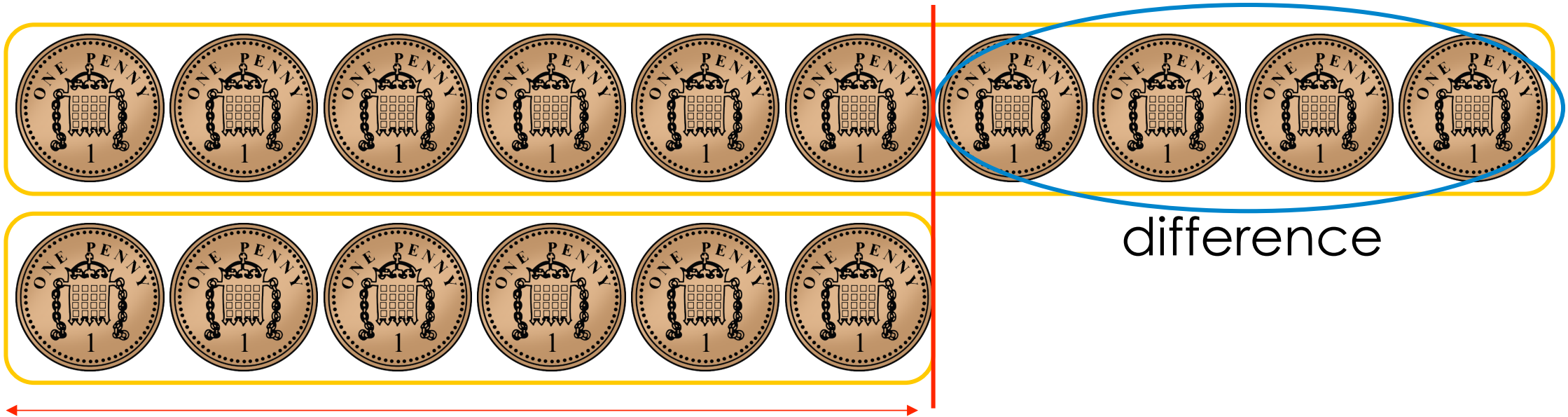
The difference between 10 and 6 is \_\_\_\_.

# Explore



# Explore

To find the difference we compare the amounts.  
Sometimes we can just see what is different.



same

The difference between 10 and 6 is **4p**.

# Explore

How are these different?

The difference between \_\_\_\_\_ p and is \_\_\_\_\_ p.



# Explore

How are these different?

The difference between \_\_\_\_\_ p and is \_\_\_\_\_ p.



Talk to your grown up about your ideas.

# Explore

How are these different?

The difference between 70p and 80p is 10p.

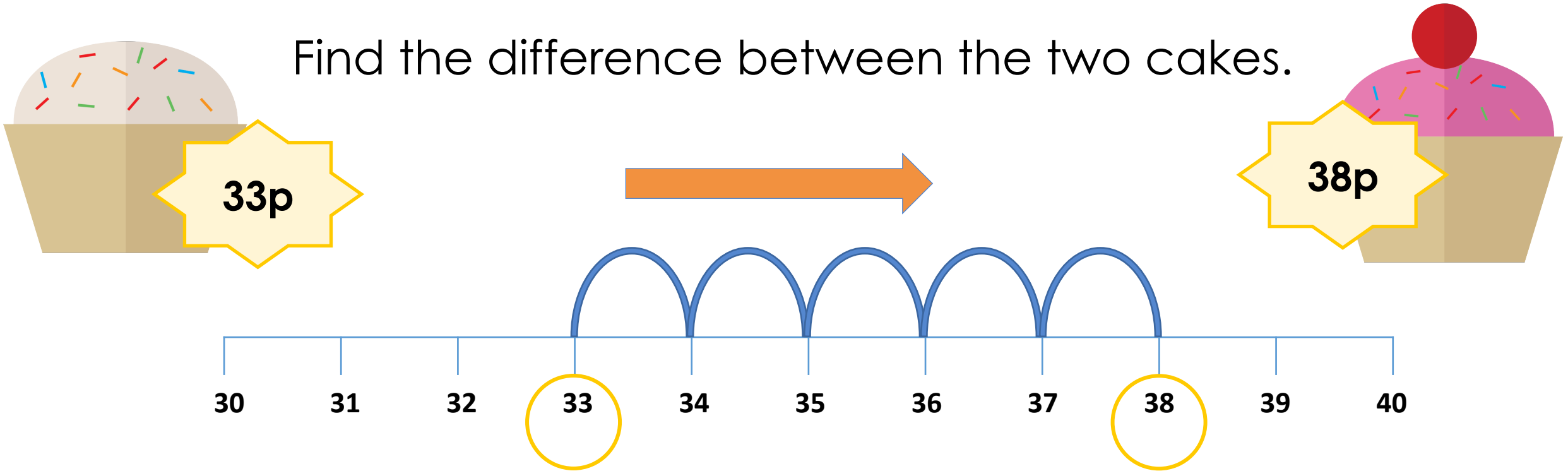


I can see that there is an extra 10p in the blue box so the difference must be 10p.



# Explore

Find the difference between the two cakes.



We can **count on** from the smaller amount to the larger amount to help us.

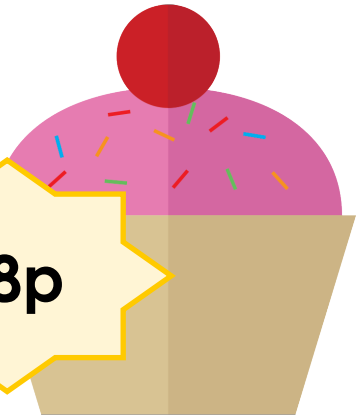
The difference between 33p and 38p is \_\_\_\_p.

# Explore

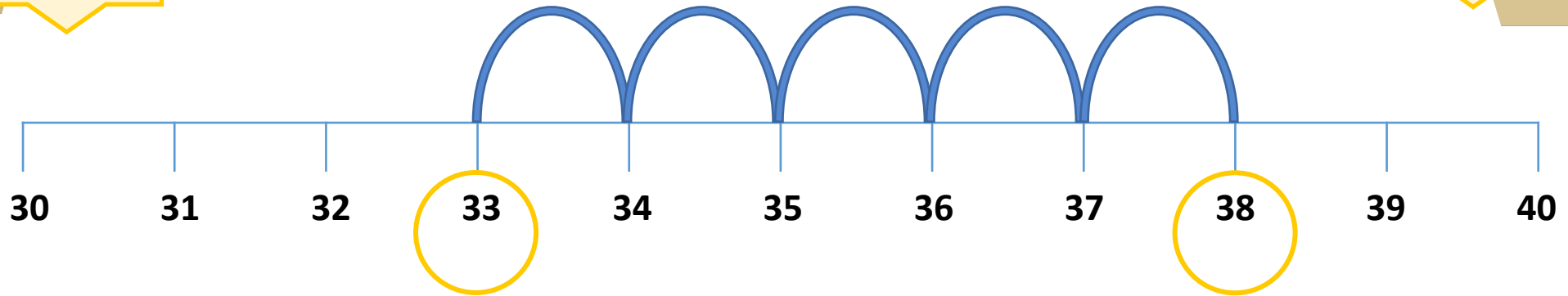
Find the difference between the two cakes.



33p



38p

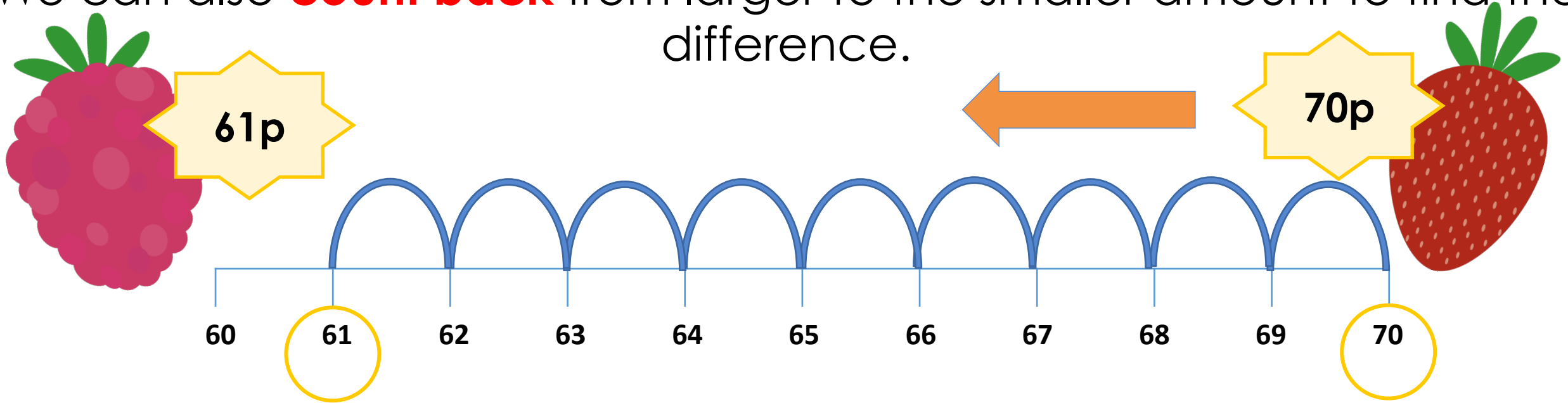


There are 5 jumps.

The difference between 33p and 38p is 5p.

# Explore

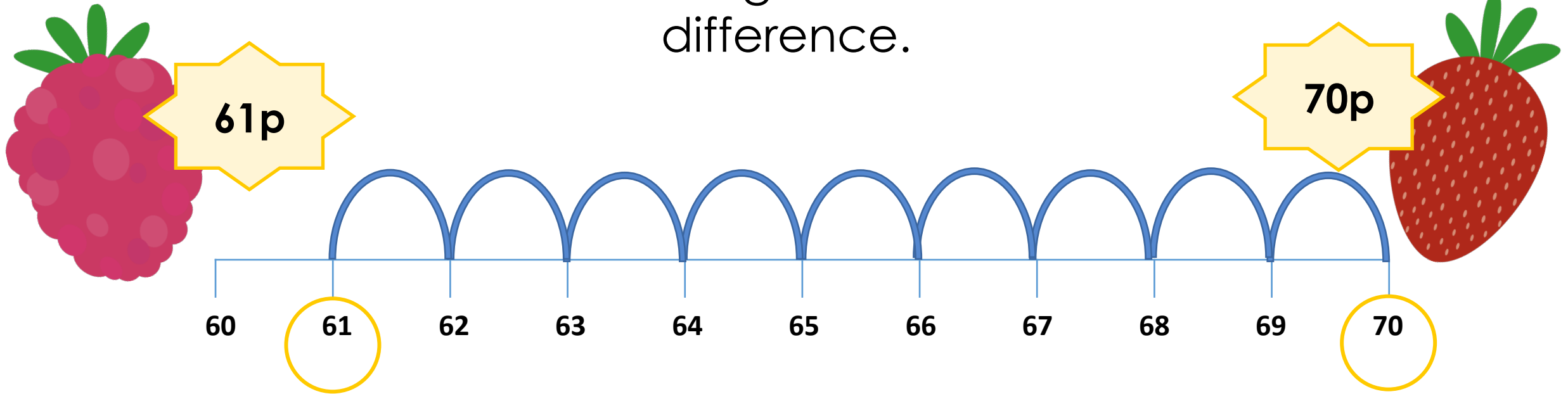
We can also **count back** from larger to the smaller amount to find the difference.



When we do this, we are subtracting  
The difference between 70p and 61p is   p.

# Explore

We can also count back from larger to the smaller amount to find the difference.



$$70 - 61 = 9$$

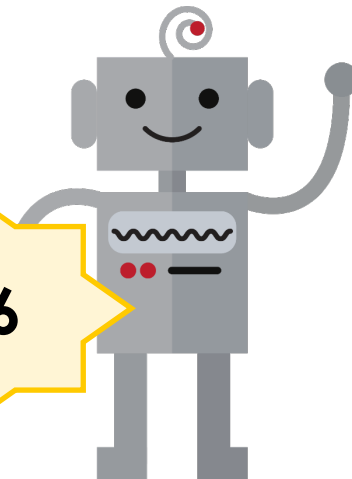
The difference between 70p and 61p is 9p.

# Guided Practice

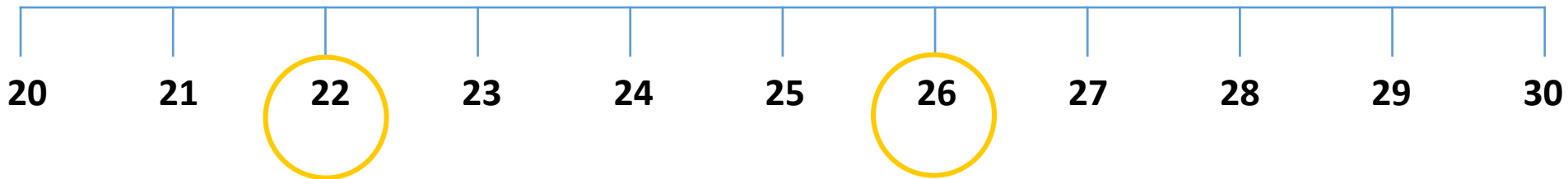
How will you find the difference?  
Count on or count back?



£22



£26



The difference between £22 and £26 is £\_\_\_\_\_.

# Guided Practice

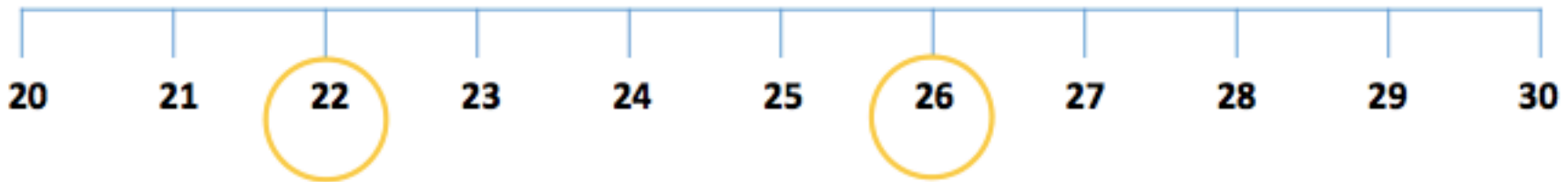
How will you find the difference?  
Count on or count back?



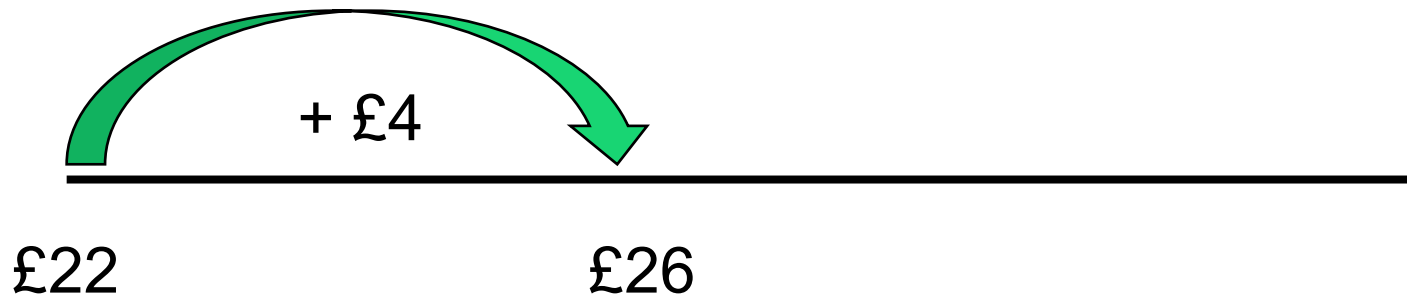
£22



£26



Count on



# Guided Practice

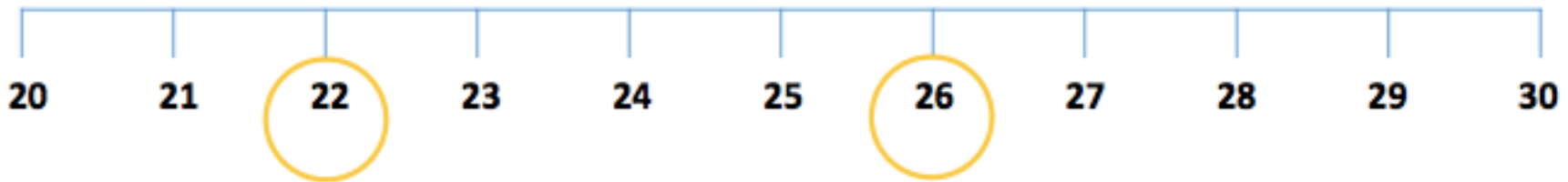
How will you find the difference?  
Count on or count back?



£22



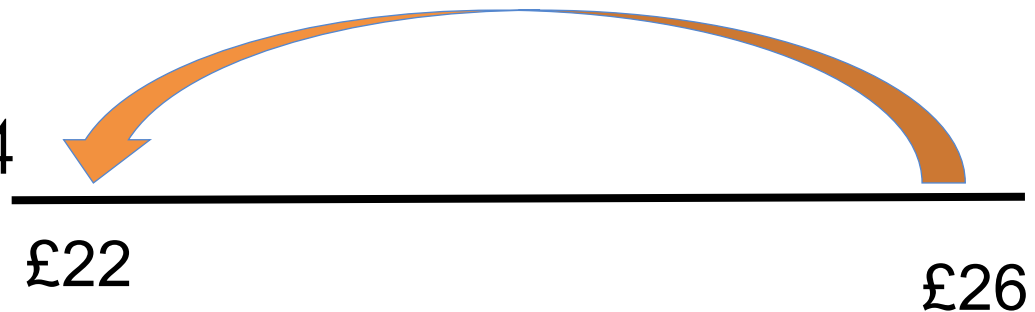
£26



- £4

Count back

This is a subtraction  $£26 - £22 = £4$

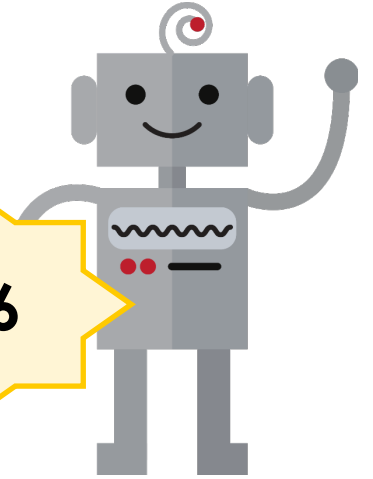


# Guided Practice

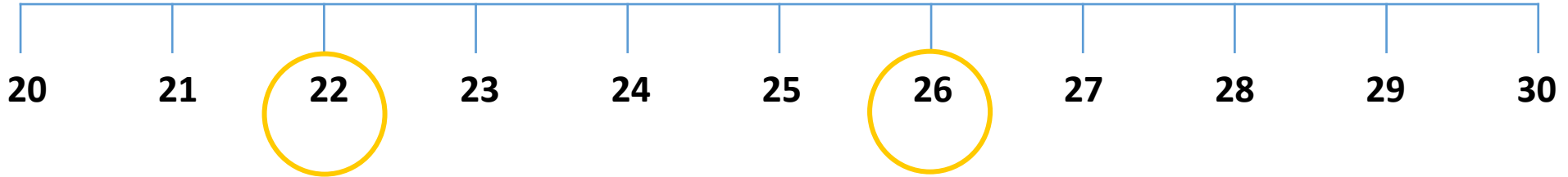
How will you find the difference?  
Count on or count back?



£22



£26



The difference between £22 and £26 is **£4**.  
You will reach the same answer whichever way you do it.

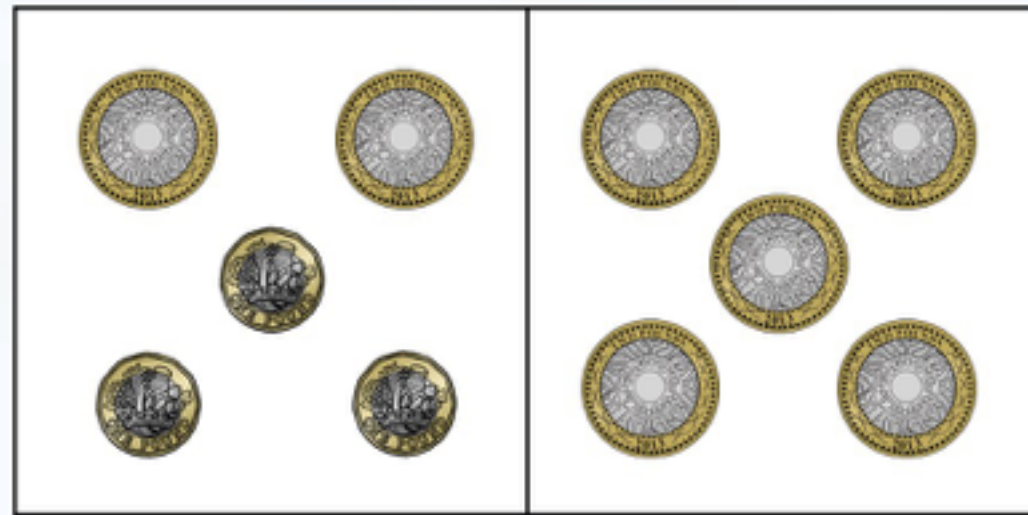


# Take it further

Sometimes you will be asked to find out how much more or less is in one amount of money when compared to another. This is still finding the difference between amounts

## Example

How many pounds **less** does Ben have?



Ben

Tam

# Take it further

How many pounds **less** does Ben have?

Ben £7 and Tam has £10

£10 - £7 is £3

Ben has £3 less than Tam.



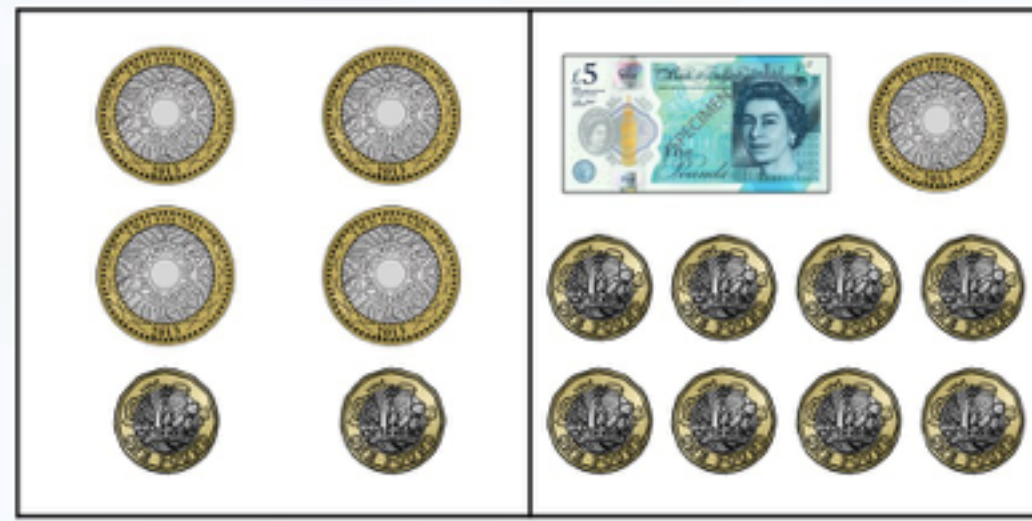
Ben

Tam

# Explore

## Example

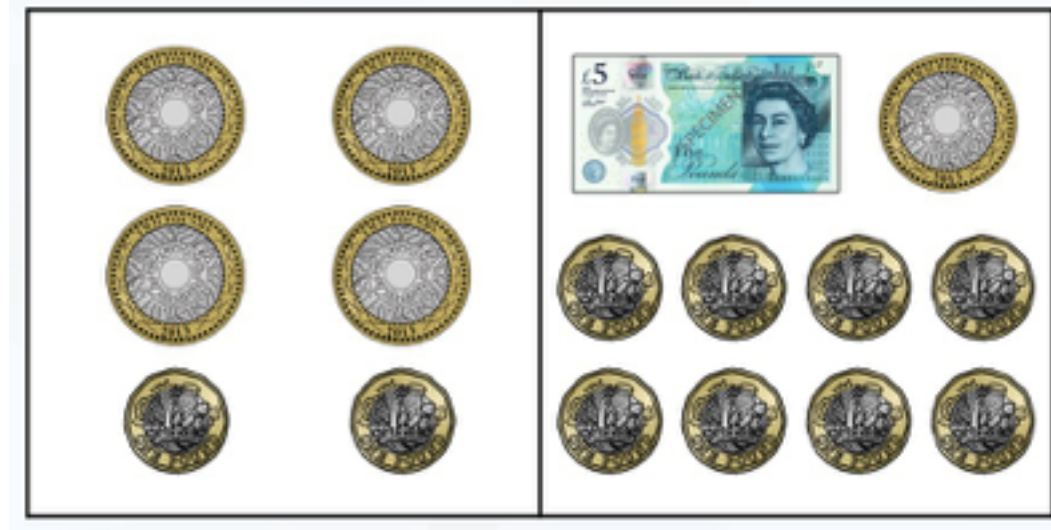
How much more **more money** does Beth have than Jack?



Jack

Beth

# Explore



Jack

Beth

Jack has £10. Beth has £17.

$$£17 - £10 = £7$$

Beth has £7 more than Jack.

# Reasoning



**Tam**

I have  
£1 and 40p.

I have  
£1 and 20p.



**Dom**

**Tam says she has 30p more than Dom.**

**Is Tam correct? How do you know?**

# Reasoning Answer



Tam

I have  
£1 and 40p.

I have  
£1 and 20p.



Dom

Tam says she has 30p more than Dom.

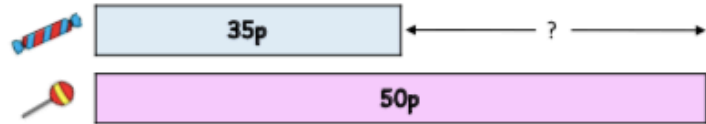
Is Tam correct? How do you know?

**No. Tam has 20p more than Dom.  
£1 and 40p - £1 and 20p = 20p.**

# Independent Task

1 Work out the difference between the following items.

a A bag of sweets and a bag of lollies.



$$35p + \underline{\hspace{2cm}} = 50p.$$

b A cookie and a gingerbread man.



$$60p + \underline{\hspace{2cm}} = £1.$$

2 How many pounds **more** does Sue have? \_\_\_\_\_



3 How many pounds **less** does Kat have? \_\_\_\_\_



1 Solve the following problems.

a Rob has £1 and 40p.  
Asha has £1 and 60p.  
How much **more** money does Asha have than Rob? \_\_\_\_\_

b Mo has £1 and 50p.  
Jess has £2 and 5p.  
How much **more** money does Jess have than Mo? \_\_\_\_\_

c Ben has £2 and 15p.  
Kat has £2 and 55p.  
How much **more** money does Kat have than Ben? \_\_\_\_\_

d Jack has £2 and 80p.  
Gina has £3 and 30p.  
How much **more** money does Gina have than Jack? \_\_\_\_\_

e Dom has £3 and 10p.  
Beth has £3 and 75p.  
How much **more** money does Beth have than Dom? \_\_\_\_\_

2 Both children have a 10p coin. They both only have silver coins.



Che

I have 10p.



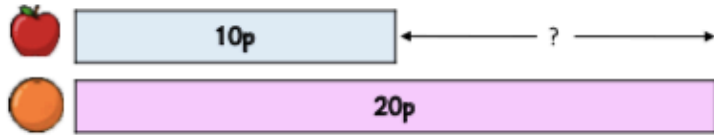
Tam

What **other** silver coins could Tam have?

# If you're finding things tricky...

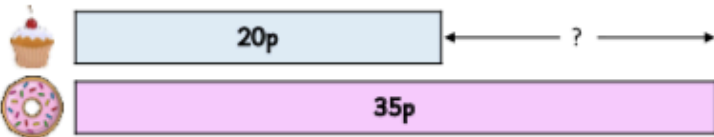
1 Work out the difference between the following items.

a An apple and an orange.



$$10p + \underline{\hspace{2cm}} = 20p.$$

b A muffin and a doughnut.



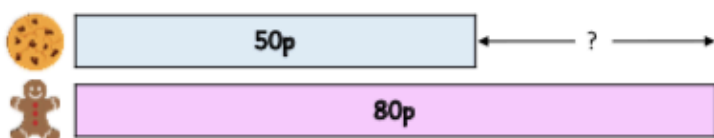
$$20p + \underline{\hspace{2cm}} = 35p.$$

c A bag of sweets and bag of lollies.



$$30p + \underline{\hspace{2cm}} = 50p.$$

d A cookie and a gingerbread man.



$$50p + \underline{\hspace{2cm}} = 80p.$$

1 How many pounds **less** does Rob have? \_\_\_\_\_



Rob

Sue

2 How many pounds **more** does Gina have? \_\_\_\_\_



Ben

Gina

3 Who has the **most**? \_\_\_\_\_ by how much? \_\_\_\_\_



Kat

Jack

4 Che says he has 30p more than Tam.



Che

I have  
£1 and 30p.



Tam

I have  
£1 and 10p.



Is Che correct? How do you know?

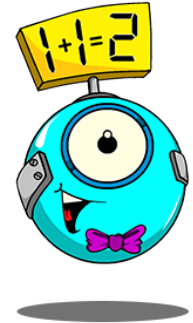
---



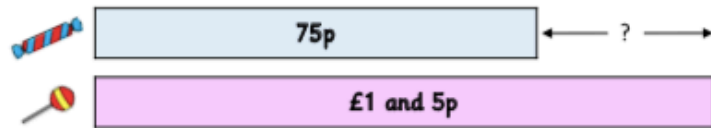
---



# If you want a challenge...

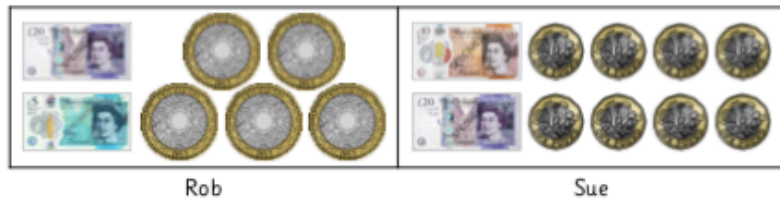


- 1 Work out the difference between a bag of sweets and bag of lollies.



75p + \_\_\_\_\_ = £1 and 5p.

- 2 How many pounds **more** does Sue have? \_\_\_\_\_



- 3 How many pounds **less** does Matt have? \_\_\_\_\_



- 4 Solve the following problems.

a Rob has £4 and 75p.  
Asha has £5 and 10p.  
How much **more** money does Asha have than Rob? \_\_\_\_\_

b Mo has £5 and 70p.  
Jess has £6 and 30p.  
How much **more** money does Jess have than Mo? \_\_\_\_\_

- 1 Both children have a 20p coin.  
The rest of Tam's coins are a combination of silver coins.



Che

I have 20p.



Tam

I have £1.

What **other** coins could Tam have?

# Exit task – Dong Nao Jin

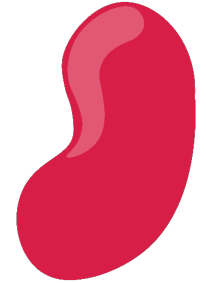
Read the clues about the sweets.

The Jelly bean costs more than 2p.

The difference between them is 4p.

The lollipop costs less than 10p.

What could they each cost?  
Send me an e-mail with your ideas.



**ANSWERS**

# Answers

## Page 31 Sheet 1

a.  $35\text{p} + 15\text{p} = 50\text{p}$

b.  $60\text{p} + 40\text{p} = \text{£}1$

2a. Sue has  $\text{£}3$  more than Rob

2b. Kat has  $\text{£}4$  less than Jack

## Sheet 2

1a. 20p

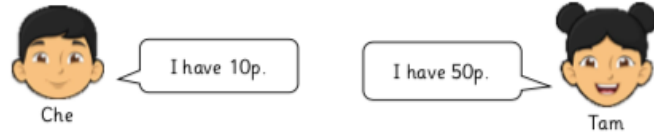
1b. 55p

1c. 40p

1d. 50p

1e. 65p

- 2 Both children have a 10p coin. They both only have silver coins.



What **other** silver coins could Tam have?

Any combination of silver coins to make 40p.

Possible answers:

2 x 20p

4 x 10p

8 x 5p

## Page 32 Sheet 1

a.  $10\text{p} + 10\text{p} = 20\text{p}$

b.  $20\text{p} + 15\text{p} = 35\text{p}$

c.  $30\text{p} + 20\text{p} = 50\text{p}$

d.  $50\text{p} + 30\text{p} = 80\text{p}$

## Sheet 2

1. Rob has  $\text{£}3$  less than Sue

2. Gina has  $\text{£}1$  more than Ben

3. Jack has the most by  $\text{£}2$

4. Che is incorrect. He has 20p more than Tam.

$\text{£}1$  and 30p -  $\text{£}1$  and 10p = 20p

# Fluency 1 Answers

$$76 - 34 = 42$$

$$29 + 44 = 73$$

$$53 - 17 = 36$$

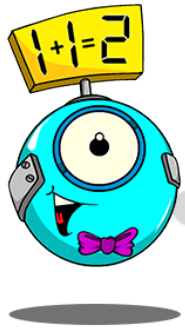
$$56 + 35 = 91$$

$$19 + 39 = 58$$

Mrs Riley has 44 biscuits in her cupboard.  
She is very hungry so she eats 16 of  
them. How many does she have left?

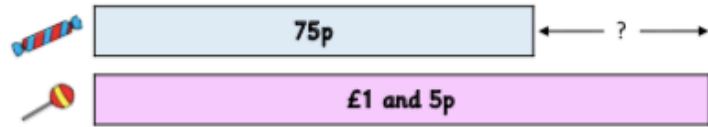
$$44 - 16 = 28$$

Mrs Riley has 28 biscuits left.



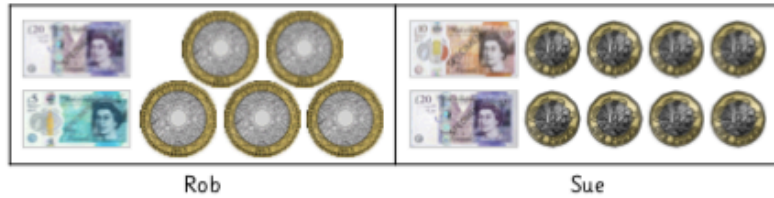
# Answers

- 1 Work out the difference between a bag of sweets and bag of lollies.



$$75p + \underline{30p} = \text{£1 and 5p.}$$

- 2 How many pounds **more** does Sue have? £3



- 3 How many pounds **less** does Matt have? £5



- 4 Solve the following problems.

a Rob has £4 and 75p.  
Asha has £5 and 10p.  
How much **more** money does Asha have than Rob? 35p

b Mo has £5 and 70p.  
Jess has £6 and 30p.  
How much **more** money does Jess have than Mo? 60p

- 1 Both children have a 20p coin.  
The rest of Tam's coins are a combination of silver coins.



Che

I have 20p.



Tam

I have £1.

What **other** coins could Tam have?

Any combination of coins to make 80p.

Possible answers:

4 x 20p

8 x 10p

16 x 5p

