

# RECALL – SUBTRACTING TU - TU



$$99\text{p} - 19\text{p} =$$



$$99\text{p} - 55\text{p} =$$



$$99\text{p} - 32\text{p} =$$

I have 99p to spend.



Work out the change for each item I could buy.



$$99\text{p} - 21\text{p} =$$



$$99\text{p} - 43\text{p} =$$

Use coins or draw it out.

Use the money mats.



Show your working out using different methods - pictorial drawings of coins, column subtraction or number line.



# RECALL – SUBTRACTING TU - TU



$$99\text{p} - 19\text{p} = 80\text{p}$$



$$99\text{p} - 55\text{p} = 44\text{p}$$



$$99\text{p} - 32\text{p} = 67\text{p}$$

I have 99p to spend.



Work out the change for each item I could buy.



$$99\text{p} - 21\text{p} = 78\text{p}$$



$$99\text{p} - 43\text{p} = 56\text{p}$$

Use coins or draw it out.

Use the money mats.



Show your working out using different methods - pictorial drawings of coins, column subtraction or number line.



# LO: I CAN SUBTRACT IN POUNDS (£) AND PENCE (P) USING PLACE VALUE MATS

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# MODELLED EXAMPLE

Jamie takes £4.99 to a toy shop.



A rubber duck costs £2.12



How much change will he get back?

£ 4.99 - £2.12 = £ ?

Use coins or draw it out.



## Working it out - place value mat

First make £4.99.

Thousands (£)		Hundreds (£)			Tens (p)			Ones (p)		
2000p (£20)	1000p (£10)	500p (£5)	200p (£2)	100p (£1)	50p	20p	10p	5p	2p	1p

Then he spends £2.12 so carefully remove this amount from the board.

Thousands (£)		Hundreds (£)			Tens (p)			Ones (p)		
2000p (£20)	1000p (£10)	500p (£5)	200p (£2)	100p (£1)	50p	20p	10p	5p	2p	1p

Jamie needs **£2.87** change.

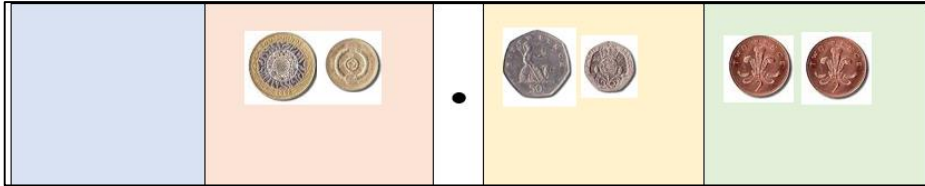
# GUIDED EXAMPLES

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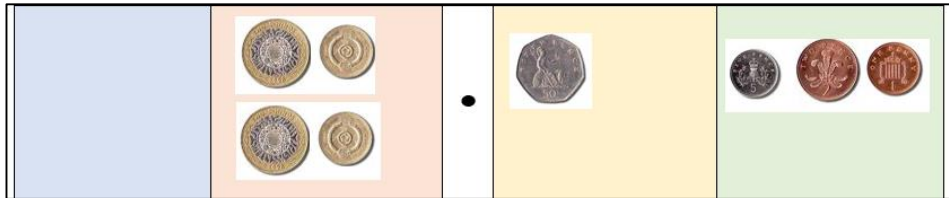
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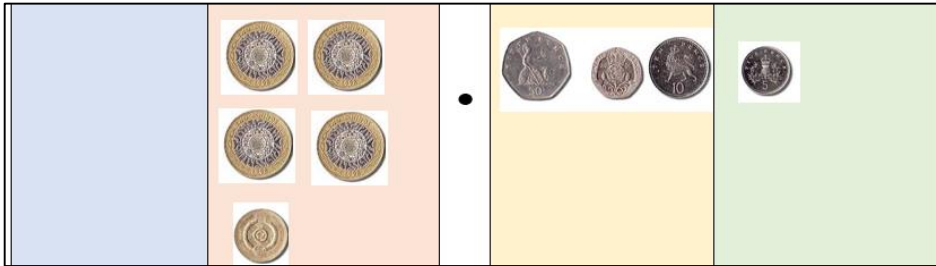
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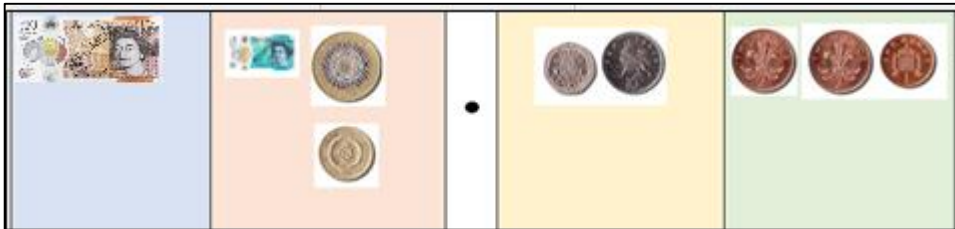
$$£3.74 - £1.22 = \text{£} .$$



$$£6.58 - £2.05 = \text{£} .$$



$$£9.85 - £6.70 = \text{£} .$$



$$£18.35 - £7.11 = \text{£} .$$

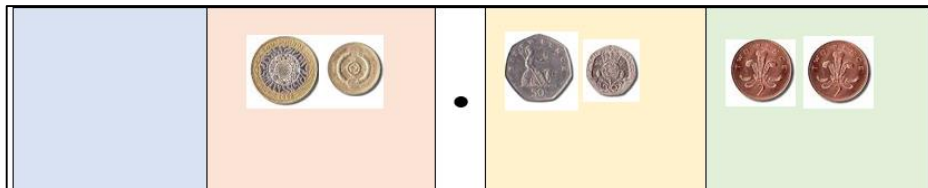
# GUIDED EXAMPLES

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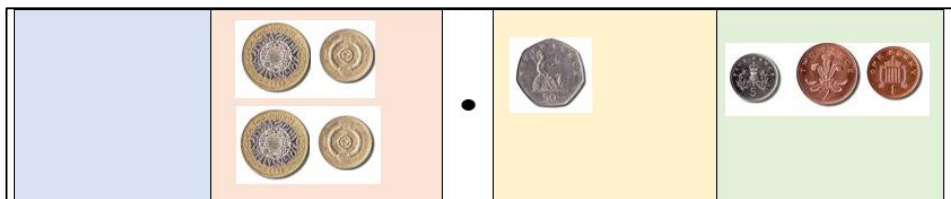
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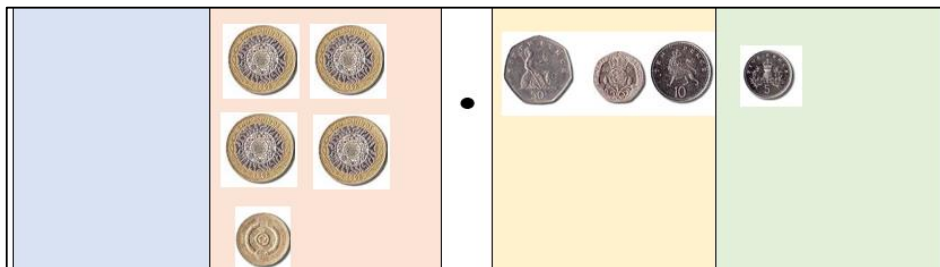
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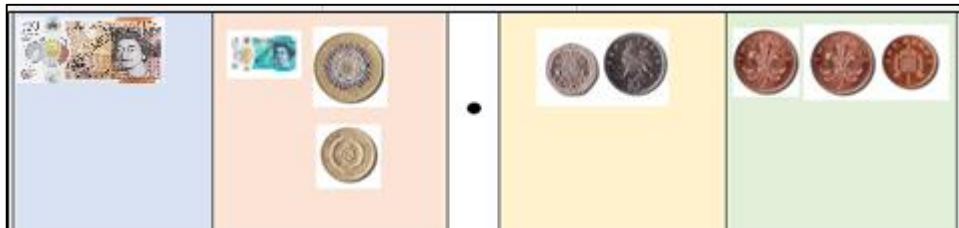
$$£3.74 - £1.22 = £2.52$$



$$£6.58 - £2.05 = £4.53$$



$$£9.85 - £6.70 = £3.15$$



$$£18.35 - £7.11 = £11.24$$

# INTELLIGENT PRACTICE

Use 1p coins. 

$10\text{p} - 1\text{p} =$

$10\text{p} - 4\text{p} =$

$10\text{p} - 6\text{p} =$

$10\text{p} - 8\text{p} =$

$14\text{p} - 3\text{p} =$

$16\text{p} - 5\text{p} =$

$18\text{p} - 8\text{p} =$

$20\text{p} - 12\text{p} =$

When could you need to exchange?

Write an example.



$£3.36 - 3\text{p} =$  £ .

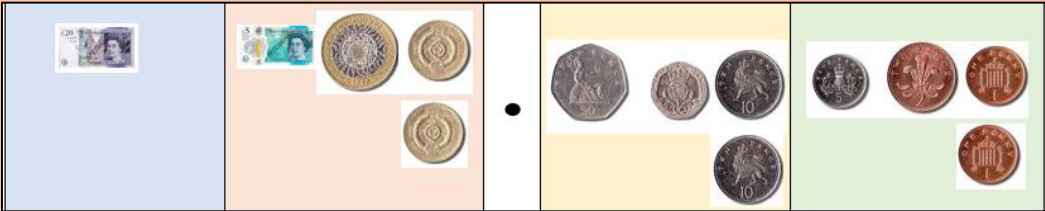
$£3.36 - 5\text{p} =$  £ .

$£3.36 - 10\text{p} =$  £ .

$£3.36 - 23\text{p} =$  £ .

$£3.36 - £1.00 =$  £ .

$£3.36 - £2.24 =$  £ .



$£29.99 - 6\text{p} =$  £ .

$£29.99 - 8\text{p} =$  £ .

$£29.99 - 40\text{p} =$  £ .

$£29.99 - 56\text{p} =$  £ .

$£29.99 - £4.51 =$  £ .

$£29.99 - £8.90 =$  £ .



# INTELLIGENT PRACTICE

Use 1p coins. 

$10\text{p} - 1\text{p} = 9\text{p}$

$10\text{p} - 4\text{p} = 6\text{p}$

$10\text{p} - 6\text{p} = 4\text{p}$

$10\text{p} - 8\text{p} = 2\text{p}$

$14\text{p} - 3\text{p} = 11\text{p}$

$16\text{p} - 5\text{p} = 11\text{p}$

$18\text{p} - 8\text{p} = 10\text{p}$

$20\text{p} - 12\text{p} = 8\text{p}$

When could you need to exchange?

Write an example. 



$£3.36 - 3\text{p} = £3.33$

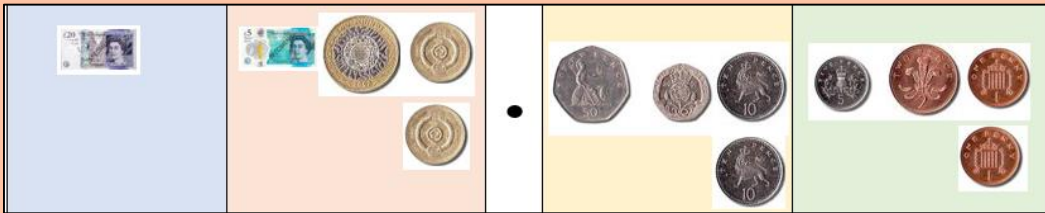
$£3.36 - 5\text{p} = £3.31$

$£3.36 - 10\text{p} = £3.26$

$£3.36 - 23\text{p} = £3.13$

$£3.36 - £1.00 = £2.36$

$£3.36 - £2.24 = £1.12$



$£29.99 - 6\text{p} = £29.93$

$£29.99 - 8\text{p} = £29.91$

$£29.99 - 40\text{p} = £29.59$

$£29.99 - 56\text{p} = £29.43$

$£29.99 - £4.51 = £25.48$

$£29.99 - £8.90 = £21.09$



# DIVE DEEPER

1  
a

Lee has £3.40. He buys a can of Sprite for £1.10.

Cross off £1.10 on the mat below.



b

How much does he have left?

£ .

2

Jack has £7.59 in his wallet. He buys a fidget spinner for £3.27.

Cross off the value of the fidget Spinner on the mat.



How much does he have left?

£ .

3

Annie has £10.58 in her piggy bank.

On Monday, she pays to go ice skating, which costs her £2.10.

How much does she have left?

£ .



After paying, she goes to the reception desk to pay for skate hire. This costs her £1.25. How much does she have left now?



£ .

4

I have these coins. If I bought something for £2.82, what would I need to do?

Use a place value mat to investigate, then write an explanation in your maths book.



The answer is £2.43.

What could the subtraction question be?



# DIVE DEEPER

1  
a

Lee has £3.40. He buys a can of Sprite for £1.10.

Cross off £1.10 on the mat below.



How much does he have left?

**£2.30**

2

Jack has £7.59 in his wallet. He buys a fidget spinner for £3.27.

Cross off the value of the fidget Spinner on the mat.



How much does he have left?

**£ 4.32**

3

Annie has £10.58 for her piggy bank.

On Monday, she pays to go ice skating, which costs her £2.10.

How much does she have left?

**£10.48 - £2.10 =**

**£ 8.48**

After paying, she goes to the reception desk to pay for skate hire. This costs her £1.25. How much does she have left now?

**£8.48 - £1.25 =**

**£ 7.23**



4

I have these coins. If I bought something for £2.82, what would I need to do?

**£4.91 - £2.82**

**I can't take 2p away from 1p so I need to exchange a ten (10p) for ten 1p coins.**

**£2.09**



The answer is £2.43.

What could the subtraction question be?



# DIVE DEEPER 2

Dora has £9.96 in her purse.

a) She buys a birthday cake for her friend, which costs £6.60.  
How much money will she have left?



b) Will she have enough money to buy a pack of sparkling candles, which costs £3.40?

Explain how you know.



Can you show this problem in any other way?

You could use -

A number line

A bar model

Column subtraction

Drawings



# DIVE DEEPER 2 ANSWERS

Dora has £9.96 in her purse.

Thousands (£)		Hundreds (£)			Tens (p)			Ones (p)		
2000p (£20)	1000p (£10)	500p (£5)	200p (£2)	100p (£1)	50p	20p	10p	5p	2p	1p
--		9 6			9 6			6 0		
		3			3			6		

a) She buys a birthday cake for her friend, which costs £6.60.  
How much money will she have left?



b) Will she have enough money to buy a pack of sparkling candles, which costs £3.40?

Explain how you know.

No, as she only has £3.36 left and the candles cost 4p more than that.



Can you show this problem in any other way?

You could use -

A number line

A bar model

Column subtraction

Drawings

