RECALL – ADDING PENCE (TENS AND UNITS)

Pick two different objects.
How much do you pay in total?

35p

13p

22p

41p

24p

50p

1. Which coins could you use to pay for them?

2. What is the least amount you could spend?

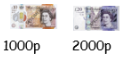
3. What is the greatest amount you could spend?

4. Add three different items.

5. Do any combinations go over £1? If so, what coins could you use?

Use coins

Use the money mats.

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

MODELLED EXAMPLE

Sofia visits a bakery and buys a baguette and a cupcake.

A baguette costs £2.32.

A cupcake costs £1.20.

How much does she spend altogether?

£ 2.32 + £1.20 = £

Use coins or draw it out.

Working it out

First, add the pounds (£) or groups that make a pound.

£2 + £1 = **£3.**

Next, add the remaining pence (p).

20p + 10p + 2p + 20p = **52p**

Sofia spent £ 3.52

£2. 32
+ £ 1. 20
£3. 52

GUIDED EXAMPLES

This will help you organise the coins you add.

Exact coins

£1.20 + £1.55 = £

£2.25 + £1.10 = £

Combination of coins

£3.45 + £2.30 = £

£6.14 + £1.73 = £

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

Put the coins in the correct column.

INTELLIGENT PRACTICE

Use the coins.

Add U+U with money mats.

2p + 1p = ☐ p

2p + 2p = ☐ p

5p + 2p = ☐ p

5p + 5p = ☐ p

Think how you would make these values.

3p + 4p = ☐ p

6p + 6p = ☐ p

8p + 9p = ☐ p

Add TU + U or TU + TU.

10p + 1p = ☐ p

20p + 5p = ☐ p

20p + 10p = ☐ p

50p + 20p = ☐ p

Think how you would make these values.

34p + 13p = ☐ p

46p + 31p = ☐ p

73p + 16p = ☐ p

Add HTU + HTU

£1.40 + £2.25 = £ .

£2.55 + £2.10 = £ .

£5.10 + £2.21 = £ .

Think how you would make these values.

£3.13 + £3.36 = £ .

£4.47 + £1.31 = £ .

£6.84 + £2.05 = £ .

How did you solve the blue questions in Chilli 2 and 3? Write an explanation.

INTELLIGENT PRACTICE

Use the coins.

Add U+U with money mats.

2p + 1p = 3p

2p + 2p = 4p

5p + 2p = 7p

5p + 5p = 10p

Think how you would make these values.

3p + 4p = 7p

6p + 6p = 12p

8p + 9p = 17p

Add TU + U or TU + TU.

10p + 1p = 11p

20p + 5p = 25p

20p + 10p = 30p

50p + 20p = 70p

Think how you would make these values.

34p + 13p = 47p

46p + 31p = 77p

73p + 16p = 89p

Add HTU + HTU

£1.40 + £2.25 = £3.65

£2.55 + £2.10 = £4.65

£5.10 + £2.21 = £7.31

Think how you would make these values.

£3.13 + £3.36 = £6.49

£4.47 + £1.31 = £5.78

£6.84 + £2.05 = £8.89

How did you solve the blue questions in Chilli 2 and 3? Write an explanation.

DIVE DEEPER

1

The slime costs £1.15. The teddy bear costs £2.21.
What is the total cost?

£1 + £2 = £ ____

15p + 21p = ____ p

The total cost is £ ____ . ____

Draw the coins that you could use to make this value.

2

The table tennis bat costs £3.46. The ball costs £1.33. What is the total?

£3 + £____ = £ ____

46p + ____p = ____ p

The total cost is £ ____ . ____.

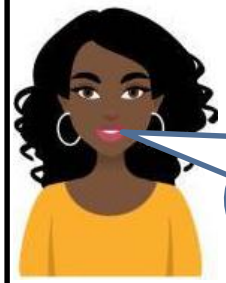
3

Work out how much each person spends.
Show your working out in your maths book.

Menu	
Tea	£1.40
Coffee	£1.65
Sandwich	£2.36
Fruit salad	£3.24

Please can I have a sandwich and a cup of tea?

£ ____ . ____



Please can I have a fruit salad and a cup of coffee?

£ ____ . ____

Challenge: Explain how you would use the place value mat to work out the total for two cups of coffee.

4

The total is £7.54p
What could the addition question be?

DIVE DEEPER

1

The slime costs £1.15. The teddy bear costs £2.21.
What is the total cost?

£1 + £2 = £3

15p + 21p = 36p

The total cost is £3.36 .

Draw the coins that you could use to make this value.

2

The table tennis bat costs £3.46. The ball costs £1.33. What is the total?

£3 + £1 = £4

46p + 33p = 79p

The total cost is £ 4.79 .

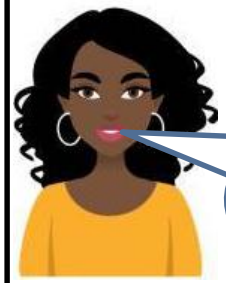
3

Work out how much each person spends.
Show your working out in your maths book.

Menu	
Tea	£1.40
Coffee	£1.65
Sandwich	£2.36
Fruit salad	£3.24

Please can I have a sandwich and a cup of tea?

£ 3.76



Please can I have a fruit salad and a cup of coffee?

£ 4.89

Challenge: Explain how you would use the place value mat to work out the total for two cups of coffee.

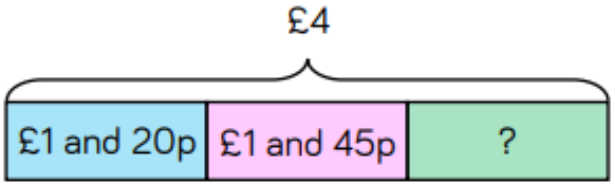
4

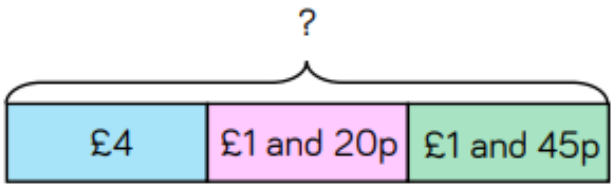
The total is £7.54p
What could the addition question be?

DIVE DEEPER 2

Amir has £4
He buys a pencil for £1 and 20p and a book for £1 and 45p.

Which bar model represents the question?
Explain how you know.





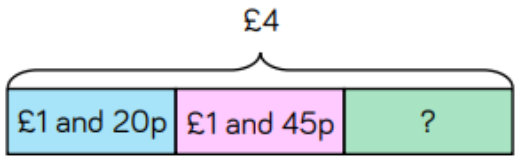
Use the correct bar model to help you calculate how much change Amir receives.

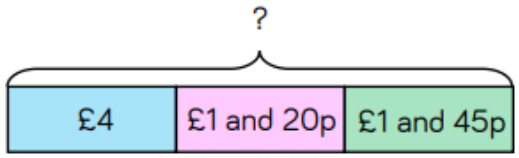
What if Amir buys a rubber for 15p?
How would this change the bar model?
Can you draw the new bar model?

DIVE DEEPER 2 ANSWERS

Amir has £4
He buys a pencil for £1 and 20p and a book for £1 and 45p.

Which bar model represents the question?
Explain how you know.





Use the correct bar model to help you calculate how much change Amir receives.

The first bar model is correct as the whole is £4 and we are calculating a part as Amir has spent money.
Amir receives £1 and 35p change.

What if Amir buys a rubber for 15p?
How would this change the bar model?
Can you draw the new bar model?