**Answers and guidance**

What is the total of the coins shown?

Can you group any of the coins to make 100 pence?
How many whole pounds do you have?
How many pence are left over?
So there is £___ and ___ p.

Some children will be tempted to add the coins as they see them. That is a method but it is inefficient. So encourage pupils to group them to make £1.

Coins available:
50p, 50p, 50p, 20p, 20p, 10p, 5p, 5p, 2p, 2p

Take the largest amounts to make £1

50p + 50p = £1

50p + 20p + 20p + 10p = £1

5p + 5p + 2p + 2p = 19p

Add the total:
£1 + £1 = £2 and 19p

**Write the amounts in pounds and pence.**

Q1. Coins available:
£2, £1, 50p, 20p, 10p, 10p, 10p, 2p

Same as before, let’s make £’s.
£2 + £1 = £3
50p + 20p + 10p + 10p + 10p = £1
£3 + £1 = £4 and 2p
Q2. Coins available:  
20p, 20p, 20p, 10p, 10p, 10p, 5p, 5p, 5p, 5p, 1p, 1p

20p + 20p + 20p = 60p  
10p + 10p + 5p + 5p + 5p + 5p = 40p  
60p + 40p = £1 + 1p + 1p = £1 and 2p

Write each amount in pounds and pence.

165p  234p  199p  112p  516p

Use part whole model to partition pence and pounds. If you are not familiar see video input. We know that 100p = £1, we can use this knowledge to help us partition the amounts.

165p = £1 and 65p

235p = £2 and 35p

199p = £1 and 99p

112p = £1 and 12p

516p = £5 and 16p
**Reasoning and Problem Solving**

Whitney thinks that she has £10 and 3p. Is she correct?

Explain your answer.

Whitney has made a mistake as she has not looked carefully at the coins. She is incorrect because if you look at the coins, she actually has:

£10, £1, £1, 1p

The total should be:

£10 + £1 + £1 + 1p = £12 and 1p

She has counted the pound coins as 1p coins too get £10 and 3p.

Dora thinks there is more than £5 but less than £6. Is Dora correct?

Convince me.

This reasoning question is tricky as some children will be tempted to just focus on the note. Encourage to work systematically and think about what coins we can use to make £1.

Notes and Coins available:

£5 note, 50p, 20p, 20p, 20p, 10p, 10p

We can make £1 using:

50p + 20p + 20p + 10p = £1

£5 note + £1 = £6

20p + 10p = 30p

Total: £6 and 30p