

Friday 4th February 2022

Lesson Objective: To look at some reasoning and problem solving questions to do with money.

Choose some of the following problems and solve them.

Rosie has 5 silver coins in her purse.

She can make 40 p with three coins.

She can also make 75 p with three coins.

How much money does Rosie have in her purse?

Amir has 5 different coins in his wallet.



What is the greatest amount of money he could have in his wallet?

What is the least amount of money?

Dexter has 202 pence.

He has **one** pound coin.

Show five possible combinations of other coins he may have.

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



Explain your answer.

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



Convince me.

Dora bought these muffins.



Muffins cost 35 p each.

How much did Dora spend?

Tommy bought three times as many muffins as Dora.

How many muffins did Tommy buy?

How much money did Tommy spend on muffins?

How much more money did Tommy spend than Dora?

Rosie has £5

Has she got enough money to buy a car and two apples?



£3 and 35 p



£2 and 55 p



85 p



75 p

What combinations of items could Rosie buy with £5?

Jack has £2 and 90 p.

Teddy has three times as much money as Jack.

How much more money does Teddy have than Jack?

Rosie has twice as much money as Teddy.

How much more money does Rosie have than Jack?

Three children are calculating £4 and 20 p subtract £1 and 50 p.

$$£4 - £1 = £2$$



Annie

$$20 \text{ p} - 50 \text{ p} = 30 \text{ p}$$

$$£1 + 30 \text{ p} = £1 \text{ and } 30 \text{ p}$$

Teddy



The difference is £2 and 70 p

$$£4 \text{ and } 20 \text{ p} - £2 = £2 \text{ and } 20 \text{ p}$$

$$£2 \text{ and } 20 \text{ p} + 50 \text{ p} = £2 \text{ and } 70 \text{ p}$$



Eva

Who is correct? Who is incorrect?

Which method do you prefer?

Dora spends £7 and 76 p on a birthday cake.



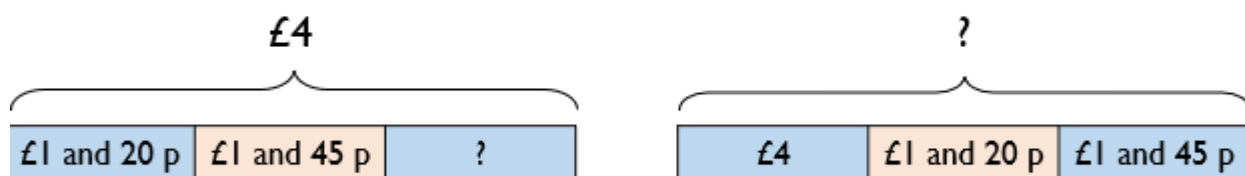
She pays with a £10 note.
How much change does she get?

The shopkeeper gives her six coins for her change.
What coins could they be?

Amir has £4

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

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



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