Homework/Extension
Step 10: Two-Step Problems

National Curriculum Objectives:

Mathematics Year 2: (2M9) Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Calculate the cost of one item to work out how many can be bought with another given value. Whole pounds, or pence up to £1. Multiples of 5 only and bar model included for scaffolding.
Expected Calculate the cost of one item to work out how many can be bought with another given value. Whole pounds, or pence up to £1. Bar model included for scaffolding.
Greater Depth Calculate the cost of one item to work out how many can be bought with another given value. Whole pounds, or pence up to £1.

Questions 2, 5 and 8 (Varied Fluency)
Developing Calculate which two items create the change from a given value. Whole pounds, or pence up to £1. Multiples of 5 only and pictorial representation of the cost of each item given.
Expected Calculate which two items create the change from a given value. Whole pounds, or pence up to £1.
Greater Depth Calculate which two items create the change from a given value. Whole pounds, or pence up to £1. Written amounts of multiple values are given.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Explain whether or not two items from a selection will provide the correct change from a given amount. Whole pounds, or pence up to £1. Multiples of 5 only. Pictorial representation of the cost of each item included for scaffolding.
Expected Explain whether or not two items from a given selection will provide the correct change from a given amount. Whole pounds, or pence up to £1.
Greater Depth Explain whether or not two items from a given selection will provide the correct change from a given amount. Whole pounds, or pence up to £1. Written amounts of multiple values given and more than one possibility is provided.

More Year 2 Money resources.

Did you like this resource? Don't forget to review it on our website.

Two-Step Problems

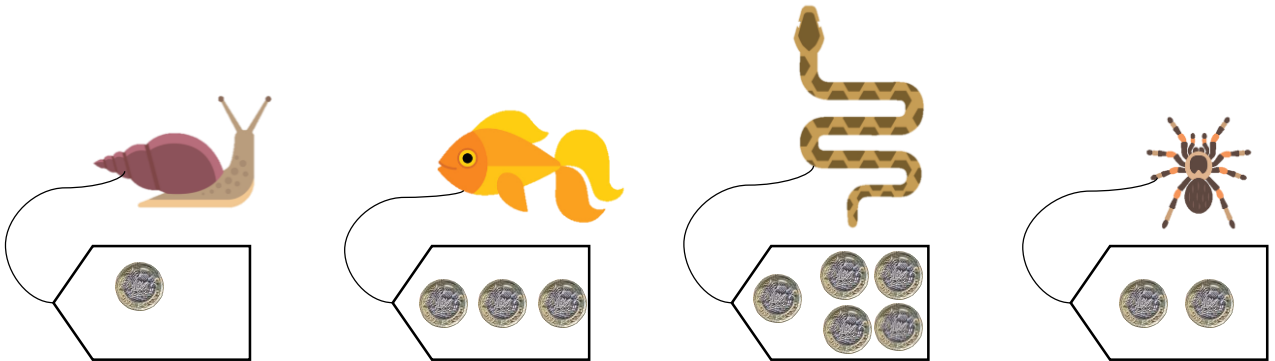**1. Liam has 80p. He buys a lolly from the sweet shop and gets 60p change. How much does a lolly cost?**

How many lollies can Liam buy with 40p?

D

2. Olivia has a £5 note to spend in the pet shop.

She buys two pets and gets £1 change. Which two pets does she buy?
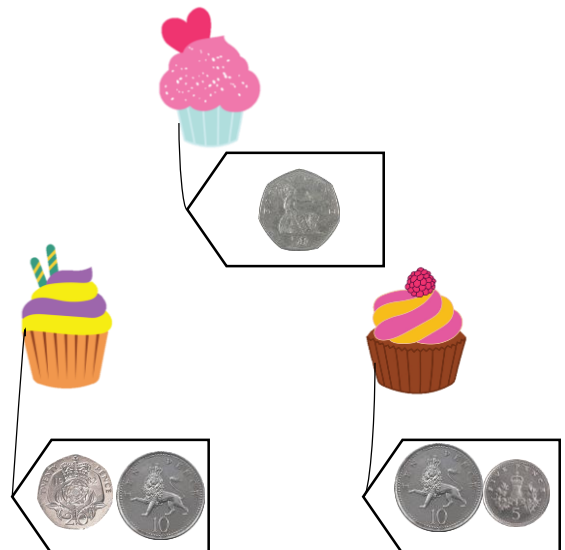
How much more money does she need to buy the spider?

D

3. Sophie has a £1 coin to spend at the shop.

She says,

> **If I buy two different cakes from the shop with my £1 coin, the shopkeeper will give me 20p change.**

Is she correct? Explain your answer.

D

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Two-Step Problems

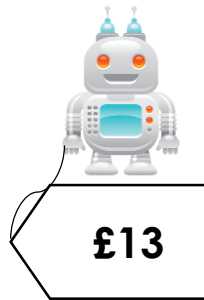4. Asif has £20. He buys two tennis balls from the sports shop and gets £16 change. How much does each ball cost?

£20		
?	**?**	**£16**

How many balls can Asif buy with £10?

☆ E

5. Millie has £25 to spend in the toy shop.

£12   **£13**   **£9**   **£11**

She buys two toys and gets £3 change. Which two toys does she buy?

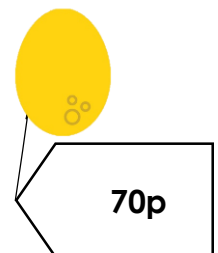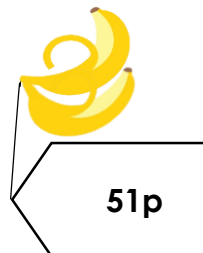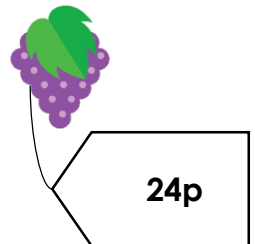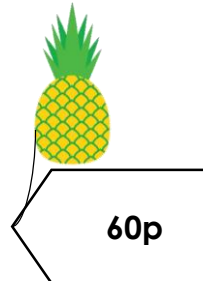How much more money does she need to buy the car?

☆ E

6. Jack has a £1 coin to spend at the shop.

He says,

"If I buy two pieces of fruit from the shop with my £1 coin, the shopkeeper will give me 6p change."
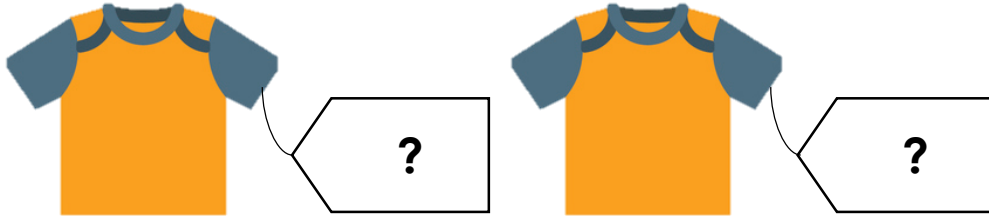
60p   **24p**

51p   **70p**

Is he correct? Explain your answer.

☆ E

Two-Step Problems

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7. Roman has £30. He buys two T-shirts from the clothes shop and gets £8 change. How much does each T-shirt cost?
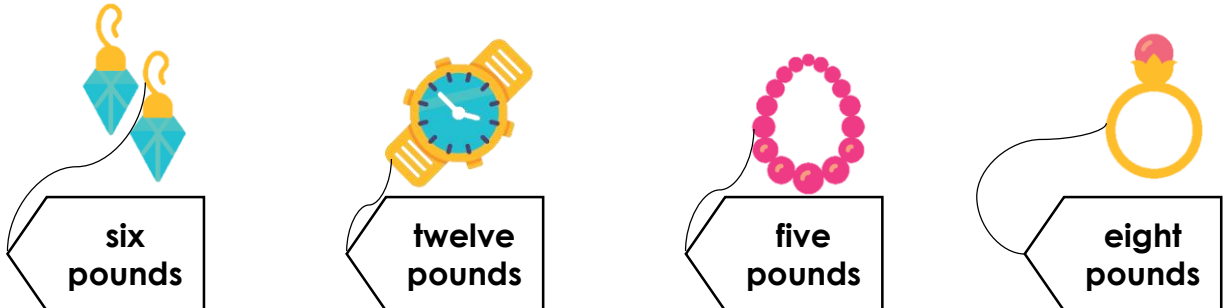
? ?

How many T-shirts can Roman buy with £50? How much change will he get?

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8. Alana has one £10 note, one £5 note, two £1 coins and two 50p coins to spend in the jewellery shop.

six pounds   twelve pounds   five pounds   eight pounds

She buys two items of jewellery and gets £1 change. Which two items does she buy?

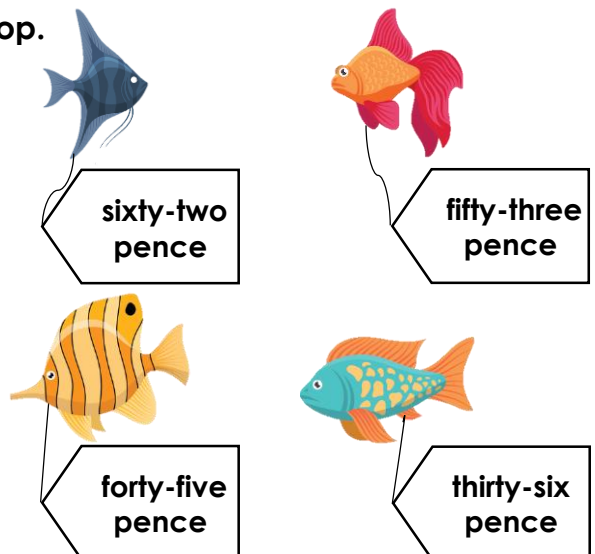How much more money does she need to buy the earrings?

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9. Caleb has a £1 coin to spend at the pet shop.

He says,

> If I buy two different aquarium fish from the pet shop with my £1 coin, the shopkeeper will give me 2p change.

sixty-two pence   fifty-three pence

forty-five pence   thirty-six pence

Is he correct? Explain your answer.

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Homework/Extension – Two-Step Problems – Year 2 Greater Depth

Developing

1. One lolly is 20p. Liam can buy 2 lollies with 40p.
2. Olivia buys the snail and the fish. She needs £1 more to buy the spider.
3. Sophie is correct because 50p + 30p = 80p and £1 – 80p = 20p.

Expected

4. One tennis ball is £2. Asif can buy 5 tennis balls with £10.
5. Millie buys the robot and the train. She needs £8 more to buy the car.
6. Jack is correct because 70p + 24p = 94p and £1 – 94p = 6p.

Greater Depth

7. One T-shirt costs £11. Roman can buy 4 T-shirts with £50 and will get £6 change.
8. Alana buys the watch and the necklace. She needs £5 more to buy the earrings.
9. Various answers, for example: Caleb is correct because sixty-two pence + thirty-six pence = 98p and £1 – 98p = 2p.

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Homework/Extension – Two-Step Problems ANSWERS