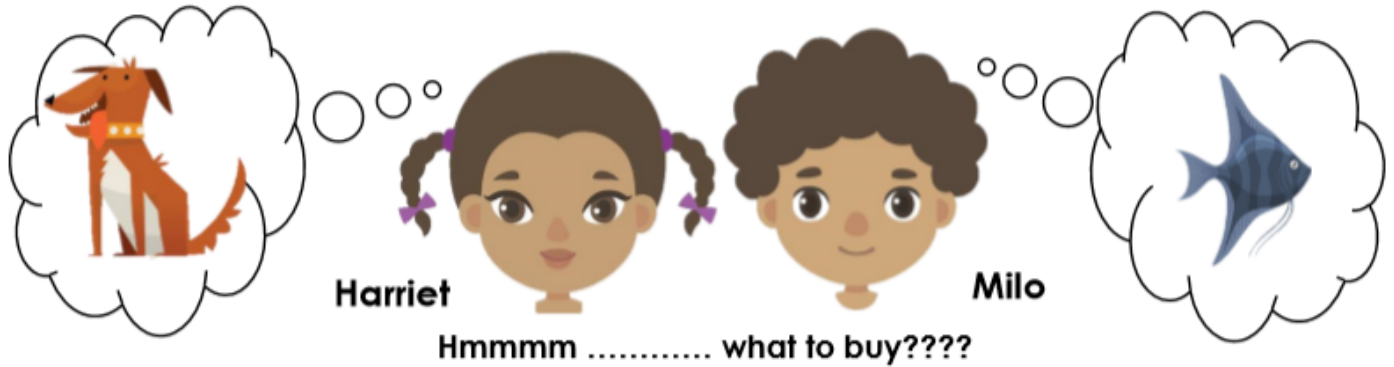


Reasoning and Problem Solving – Money

Harriet and Milo have been saving their pocket money for, what seems like, ages. Mum has told them that they are going shopping at the end of the month and they can take some money to buy something from their savings if they would like.



Their thoughts soon turn to how much savings they have and whether they will have enough money for what they would like.

Harriet has been collecting coins and has been keeping them grouped by amount whilst Milo has been keep his money separately each time he has received some.

1. Can you help Harriet and Milo work our how much money is in each bag?

<p>Harriet</p> <p>7 x £1</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<p>Harriet</p> <p>10 x 50</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<p>Harriet</p> <p>24 x 20</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>
<p>Milo</p> <p>£1 £2 5</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<p>Milo</p> <p>£1 £1 £1 50 20</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<p>Milo</p> <p>£2 10 £1</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>

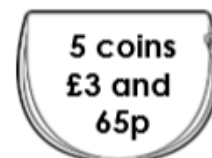
Harriet and Milo find one more bag of money each although they can't remember what they contain.

2. Can you work out what each bag contains?

Harriet's contains £4 and 50p in a single type of coin. What could be inside?



Milo's contains 5 coins that make £3 and 65p. What could be inside?



Now that the children know the separate amounts of money they have, they need to work out how much they both have in total.

3. Work out how much money Harriet and Milo have in their savings before they go shopping with their mum.

Total savings

Harriet



Milo



Total Savings

Harriet and Milo can't wait to go shopping with Mum. They are very excited about being able to spend some of their savings – they have been saving for a long time.


It is the day before their shopping trip and Mum asks which shop they would like to visit to spend their money so that she can plan it into their trip. She was totally surprised when they both answered, "The pet shop." This was not at all what she expected. "What on earth are you going to buy from there?" she asked.

When the children told Mum that they both wanted pets they had to wait until she had time to talk to Dad about it as she explained that pets are a huge commitment.

The day had finally arrived when the children were going to the pet shop with their savings. They would need to see if they had enough money to buy everything they needed for their pets.


Harriet and Milo searched the shop to find things for their pets. Not all the prices are the same.

4. Can you convert the prices on the tags for Harriet and Milo?



p

= £4 and 25p




855p

= £


436p


= £



185p


= £





p

= £3 and 35p




275p

= £


925p

= £



p

= £1 and 95p




Harriet and Milo have collected all the items they need to buy for their pets. They both take their items to the till to pay.

5. How much will their items cost in total?

Harriet



Milo



Harriet goes to the till first and gives the cashier her savings. Milo goes second and gives the cashier his savings.

6. Will either of the children get change? If so, how much?

Milo has seen a bigger aquarium that he would love to buy to get more fish.

7. If his dad gives him £2 a week for washing the car, how long will it take him to save for the aquarium?

If his mum gives him £1 a week for doing the washing up, how long will it take him to save for the aquarium?

How long would it take if Milo only did the washing up and not wash the car?



£30