

Problem Solving

When looking at the four questions below remember the following 4 steps to help you answer them.

1. **UNDERSTAND**- the first thing we need to do is make sure that we understand the question that is being asked.
2. **PLAN**- alright what do we know and how can solve it? Look at the key words and what it is asking you to do.
3. **SOLVE**- Now choose the strategy.
 - Guess and check
 - Number sentence
 - Make a model
 - Drawing
4. **CHECK**- does your answer make sense, look back at the question.

<p>Assign a Pound (£) value to each letter of the alphabet (a=£1, b=£2, c=£3, d=£4 and so on).</p> <p>Use addition to calculate the value of your full name and three friends' names.</p> <p>Whose name is the most expensive?</p> <p>Whose name is the cheapest?</p> <p>How much are your names worth altogether?</p>	<p>Donna's mother has made 2L of orange juice for Donna to share equally with some friends.</p> <p>Make sure every friend receives at least 100 mL of juice.</p> <p>How many friends could Donna share her juice with?</p> <p>How much juice would each friend receive?</p> <p>List as many possibilities as you can think of.</p>
<p>Jennifer is at the clothing store. She has £25 to spend on a gift for her dad.</p> <p>Shirts cost £12.00, trousers cost £22.00, ties cost £6.50 and socks cost £3.00.</p> <p>List some different gift combinations that Jennifer could buy.</p> <p>Calculate the total amount Jennifer would pay for each combination, as well as any change she might receive.</p>	<p>Petunia loves planting colourful flowers in her flower garden. Today, she has 2 yellow flowers, 3 red flowers, 4 orange flowers and 1 pink flower.</p> <p>She wants to plant them in a straight line along the front of her garden.</p> <p>Draw some possible flower arrangements.</p> <p>Is it possible to draw a line of flowers so that no two flowers of the same colour are together?</p>