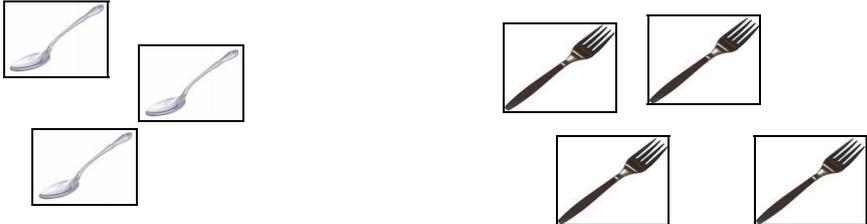


Addition at Falconbrook Primary School

Handout for Parents

*Make practising number work fun, when possible present it like a game....and always do it **together***

Steps	Examples
<p style="text-align: center;"><u>Step 1</u></p> <p>Counting real objects</p>	<p><u>Counting walks:</u></p> <p>On your way to school: count the number of cars, or front doors or lamp posts that you and your child see on the way.</p> <p>Shopping: count the number of trolleys, or tins on part of a shelf or boxes of eggs that you & your child see in the shop.</p> <p>In fact counting any real-life objects together is good practice and fun!</p>
<p style="text-align: center;"><u>Step 2</u></p> <p>Adding up groups of different objects.</p>	<p style="text-align: center;"><u>At home:</u></p> <p>Arrange ordinary household objects into separate groups, such as: <u>3 spoons and 4 forks</u></p> <div style="text-align: center;">  </div> <p>Ask your child to work out with you how many objects there are altogether</p> <p>When you can see that you child can add two groups of objects and work out how many there are altogether, repeat with <u>3 groups of objects</u> ...and then <u>4 groups of objects</u>.</p>
<p style="text-align: center;"><u>Step 3</u></p> <p>Introducing addition symbols</p>	<p>When you and your child have practiced Step 2 together, and you can see your child understands adding together 2 groups (or 3 groups or 4 groups) of items start writing out the sum or number sentence with your child underneath the real objects....this will help them to understand what the sum (or number sentence means)</p>
<p style="text-align: center;"><u>Step 4</u></p> <p>Adding on a number line</p>	<p>You can make your own number line by writing numbers on a piece of paper.</p> <hr style="width: 50%; margin: 10px auto;"/> <p>Make up a number sentence together, that you are going to work out for example 13 add 4</p> <p>Find the first number on the number line together and ask your child how many 'jumps' they need to do next (answer: 4) Help your child to 'jump' on 4 and then read the number you both land on (17)</p> <p style="text-align: center;">Write this as a number sentence</p> <p style="text-align: center;">$13 + 4 = 17$</p>

Steps	Examples
<p><u>Step 5</u> Partitioning numbers As you child gains confidence with adding it is very important that they develop their understanding of the value of each digit in a number. Example: in the number 27 the digit 2 represents two tens and the digit 7 represents 7 units</p>	<p>You can practice partitioning numbers at home by writing them on a piece of paper:</p> <ol style="list-style-type: none"> 1. Ask your child to pick a number between 10 and 20 (go higher as they become more confident)...e.g. 17 2. Write the number down for your child and ask them to partition it for you: <ol style="list-style-type: none"> 1. Now you pick a number and partition it for your child to see: e.g. 30 6 2. Ask your child to recombine the number: 36 <p>You can play this game with 3 digit and four digit numbers too.</p>
<p><u>Step 6</u> Using partitioning and jottings to add</p>	<p>26 + 32 =</p>
<p><u>Step 7</u> Expanded Layout</p>	<p>26 + 32 =</p>
<p><u>Step 8</u> Expanded Layout when there is a number to carry over</p>	<p>26 + 35 =</p>

As your child gains confidence, use bigger numbers

Steps	Examples
<p>Step 9 Expanded vertical Layout</p>	<p>126 + 232 =</p>
<p>Step 10 Expanded vertical Layout when there is a carry over number</p>	<p>126 + 235 =</p>

As your child gains confidence, use bigger numbers

Steps	Examples
<p><u>Final Step</u> Column Addition or Formal Written Method</p> <p><u>The national curriculum states that children should be using this method in Year 4.</u></p> <p>Children who are not at this stage by Autumn term of Year 4 will be supported to move swiftly through the previous stages in order to meet this standards as soon as possible.</p>	<p>126 + 232 =</p> <p>126 + 235 =</p> <p>...with a carry over number</p>