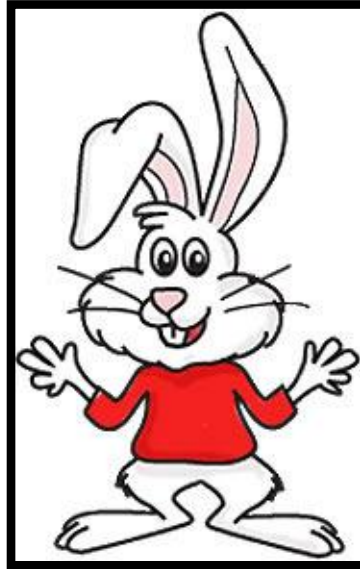


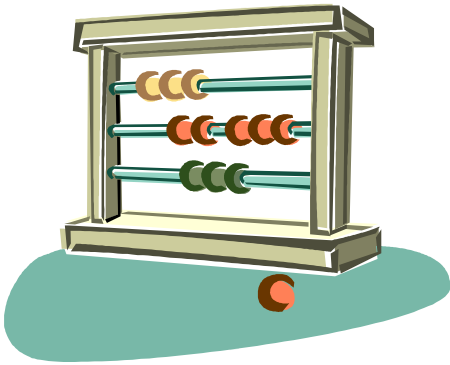
A Parent's Guide to



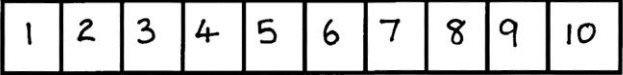
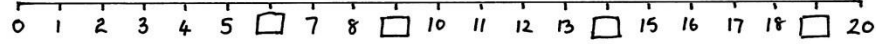



Year R

Calculation Strategies:



Addition, Subtraction, Grouping, Sharing



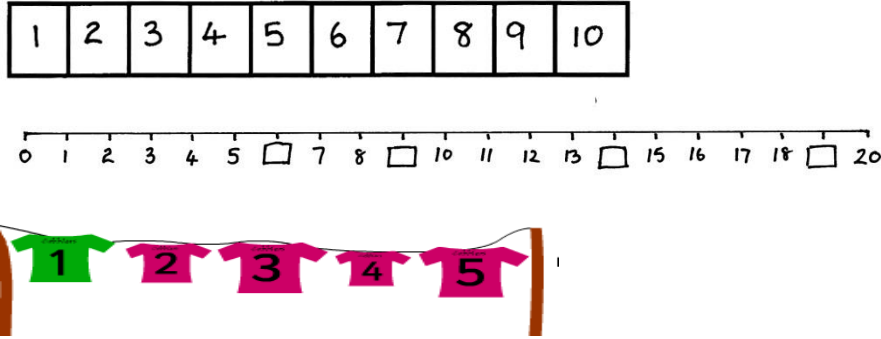

Addition Strategies

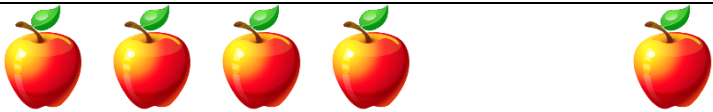
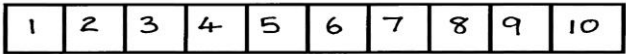

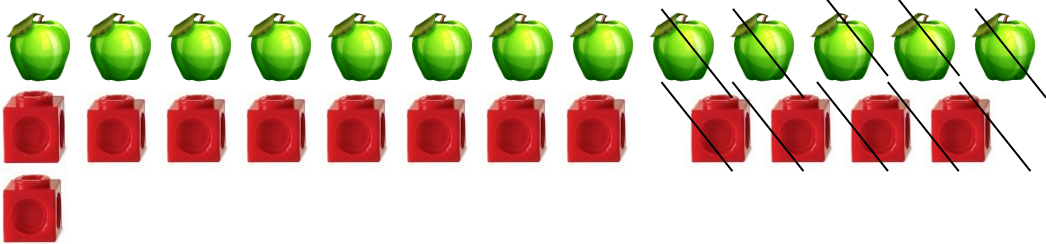
Strategy	Examples	Vocabulary
Counting forwards in ones	<p>Number tracks/washing lines/ numbered numberlines</p>   	Forwards, more than, numbers
Singing games, storybooks and number rhymes involving counting forwards	<p>1,2,3,4,5, once I caught a fish alive, 6,7,8,9,10 then I let it go again. Why did you let it go, because it bit my finger so which finger did it bite this little finger on my right.</p>	More, add
Practical activities through play	<p>Role play activities - has 3 apples and buys 1 more. How many apples are altogether in the shop?</p>  	More, add, plus, total, altogether
Hopping forward on a number track	<p>Stand on 5 and hop forwards 1. What number are you on?</p>	Hop forward, land on

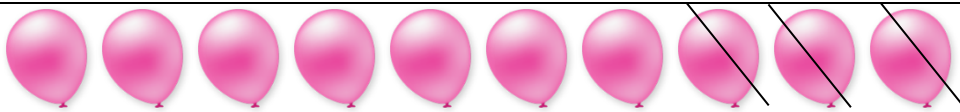
	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr></table>	1	2	3	4	5	6	7	8	9	10	
1	2	3	4	5	6	7	8	9	10			

Strategy	Examples	Vocabulary
Pictorially represent adding using an addition story	<p>There are 5 balloons. 4 more balloons are added. How many balloons are there in total?</p>  <p>Children record pictorially and then informally annotate their drawing using the numbers</p>	Add, more, altogether, total
Use number sentences	<p>There are 5 balloons. 4 more balloons are added. How many balloons are there in total?</p>  <p>Children write a number sentence $5 + 4 = 9$</p>	Add, more, altogether, total, equals, add sign

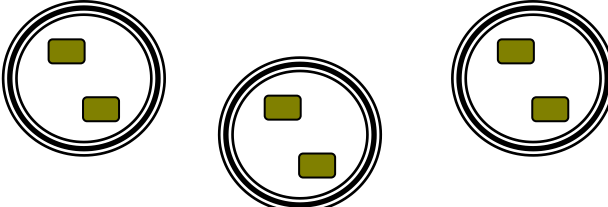
Subtraction Strategies

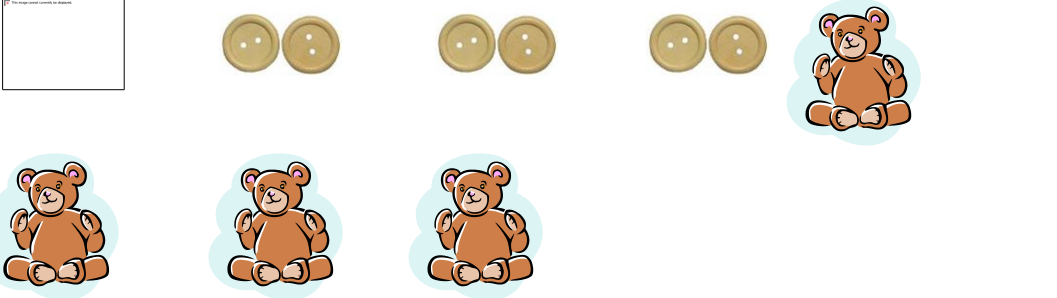
Strategy	Examples	Vocabulary
<p>Counting backwards in ones</p>	<p>Number tracks/washing lines/ numbered numberlines</p> 	<p>Backwards, back, less than, numbers</p>
<p>Singing games, storybooks and number rhymes involving counting backwards</p>	<p>5 currant buns, 10 fat sausages, 10 little fish</p> 	<p>Less, backwards, take away</p>
<p>Practical activities through play</p>	<p>Role play activities - The shop has 5 apples and sells 1. How many apples are left in the shop?</p>	<p>Less, take away, one less, starting with, take</p>

		away one, how many are left?
Strategy	Examples	Vocabulary
Hopping back 1 and then more than 1 on a number track	<p>Stand on 5 and hop back 1. What number are you on?</p> 	Hop back, land on, 5 hop back 1 is 4
Represent taking away 1 using a subtraction story	<p>There are 10 balloons. 1 of the balloon pops. Show this by popping a balloon, leaving 9.</p>  <p style="text-align: center;">9</p>	Less, take away, one less, starting with, take away one, how many are left?
Use concrete objects and fingers to support subtraction	<p>If a farmer has 13 apples on a tree and he picks 5. How many apples will be left?</p> 	Less, take away, less than, starting with, take away, how many are left?
Use pictorial recording, informal recording and	<p>There are 10 balloons. 3 of the balloons pop. Show this by crossing out 3 balloons, leaving 7.</p>	Leaving, left over, take away, ... left


then number sentences	 <p>Children record pictorially and then informally annotate their drawings using the numbers without operation signs 10 7 3 Children move on to write number sentences $10 - 7 = 3$</p>	
-----------------------	---	--

Grouping Strategies

Strategy	Examples	Vocabulary
Groups or 'lots of' with concrete materials Practical examples and use of role play	<p>3 plates, each with 2 biscuits. How many biscuits are there altogether?</p>  <p>2 biscuits and 2 biscuits and 2 biscuits is 6 biscuits</p>	Altogether, lots of, groups
Grouping and 'lots of' with concrete materials and recording using pictures	<p>Each teddy has two buttons. Draw the buttons on the teddy bears. How many buttons is that altogether?</p>	Group, lots of, altogether

	 <p>2 buttons and 2 buttons and 2 buttons and 2 buttons is 8 buttons</p>	
--	--	--

Sharing Strategies

Strategy	Examples	Vocabulary
Sharing with concrete materials Practical examples and use of role play	<p>Share the fruit between the teddy bears equally.</p>  <p>Can you share 6 apples out between the 3 bears fairly? How many apples does each bear have?</p>	Share, fair, each, same
Sharing with concrete materials and recording	<p>Share the buttons between the teddy bears equally.</p>	Share, fair, each, same, equal(ly)

using pictures



Can you share the 9 buttons out between the 3 bears fairly? Draw the buttons onto the pictures of three bears?
How many buttons does each bear have?