

## Addition Facts at Home

A focus in class from now on is for children to learn their addition and subtraction facts 'off by heart', so they can recall the answers quickly.

*Before your child can learn their addition and subtraction facts they need to be able to automatically make a number on their fingers. E.g. Make 7.*

So practise this first. Make sure they fill up and use all the fingers on one hand first before they use the other, e.g. 5 and 2 makes 7

The only time they will not do this is when they learn their doubles facts. For those facts to 10, they will use both hands, e.g.  $2+2=4$

Please practise these with your child every night. Initially get your child to make the equation and find the answer on their fingers. When they are confident encourage them to put their hands behind their back and image fingers in their heads.

You may like to rote learn these addition facts like we once did in order to learn our tables as children. You could blow these charts up and pin them somewhere where they can easily be seen.

It is important that your child can solve addition fact problems written in different ways. So you could ask the following questions about one addition fact. If the equation is  $5+2=7$ , ask  $5+ \_ = 7$  or  $\_ + 2 = 7$

This can be a lot harder, so will take some practise initially. Remind your child that the equals sign means 'the same'.

Please work through these addition/subtraction facts from the beginning. Focus on one set at a time until your child is confident and then move onto the next. Some of these addition facts we have not covered at all in class, so please do not expect to learn these over night.

Please feel free to come and see me if you have any questions or concerns as I am more than willing to help.

### Making and Breaking 5 Facts

$0+5=5$	$5-0=5$	$1+4=5$	$5-1=4$
$2+3=5$	$5-2=3$	$3+2=5$	$5-3=2$
$4+1=5$	$5-4=1$	$5+0=5$	$5-5=0$

### 5+ Facts

$5+0=5$	$0+5=5$	$6-5=1$	$6-1=5$	$5+1=6$
$1+5=6$	$7-5=2$	$7-2=5$	$5+2=7$	$2+5=7$
$8-5=3$	$8-3=5$	$5+3=8$	$3+5=8$	$9-5=4$
$9-4=5$	$5+4=9$	$4+5=9$	$10-5=5$	$5+5=10$

<u>Making and Breaking 10 Facts</u>		<u>Doubles and Halving Facts to 10</u>	
0+10=10	10-0=10	1+1=2	2-1=1
1+9=10	10-1=9	2+2=4	4-2=2
2+8=10	10-2=8	3+3=6	6-3=3
3+7=10	10-3=7	4+4=8	8-4=4
4+6=10	10-4=6	5+5=10	10-5=5
5+5=10	10-5=5	<u>Doubles and Halving Facts to 20</u>	
6+4=10	10-6=4	6+6=12	12-6=6
7+3=10	10-7=3	7+7=14	14-7=7
8+2=10	10-8=2	8+8=16	16-8=8
9+1=10	10-9=1	9+9=18	18-9=9
10+0=10	10-10=0	10+10=20	20-10=10

### Addition Facts Extension

Once your child knows all of these off by heart, then you can start to solve harder problems with this knowledge. E.g. If you know  $7+3=10$ , then what's  $27+3=?$

#### 10 + Facts

10+1=11	1+10=11	11-10=1	11-1=10
10+2=12	2+10=12	12-10=2	12-2=10
10+3=13	3+10=13	13-10=3	13-3=10
10+4=14	4+10=14	14-10=4	14-4=10
10+5=15	5+10=15	15-10=5	15-5=10
10+6=16	6+10=16	16-10=6	16-6=10
10+7=17	7+10=17	17-10=7	17-7=10
10+8=18	8+10=18	18-10=8	18-8=10
10+9=19	9+10=19	19-10=9	19-9=10

#### Making and Breaking 20 Facts (extension)

NB Your child needs to know their making and breaking 10 facts off by heart before they can attempt these.

11+9=20	9+11=20	20-11=9	20-9=11
12+8=20	8+12=20	20-12=8	20-8=12
13+7=20	7+13=20	20-13=7	20-7=13
14+6=20	6+14=20	20-14=6	20-6=14
15+5=20	5+15=20	20-15=5	20-5=15
16+4=20	4+16=20	20-16=4	20-4=16
17+3=20	3+17=20	20-17=3	20-3=17
18+2=20	2+18=20	20-18=2	20-2=18
19+1=20	1+19=20	20-19=1	20-1=19
20+0=20	0+20=20	20-20=0	20-0=20