

Addition and Subtraction Number Fact Fluency

We have been working on developing quick recall of a range of addition and subtraction facts. The children can use a range of strategies to calculate the answers, we have tried to colour code the calculations to show which method may help your child, however, as long as the answer is correct then any strategy is good!

When working on fluency with your child, quick response is key.

Aim for an average of 3 seconds or less per fact.

Addition Grid:

Adding Zero	Bonds to Ten	Adding Ten	Compensating
Adding One	Doubles	Near Doubles	Adding Two

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

Try using the addition grid at home:

How many questions can you answer in 3 minutes/5 minutes?

Can you answer all the red calculations?

Can you answer the grey and purple sums?

How did you calculate that answer?

Which strategy helps you?

Can you complete the whole grid?

Can you beat me?!

Subtraction Grid:

Subtracting Zero	Subtracting One	Subtracting Ten	Subtracting Two
Place Value (Subtracting all the ones)	Compensating	Subtracting Same Number (Always Zero)	

-	0	1	2	3	4	5	6	7	8	9	10
1	1-0	1-1									
2	2-0	2-1	2-2								
3	3-0	3-1	3-2	3-3							
4	4-0	4-1	4-2	4-3	4-4						
5	5-0	5-1	5-2	5-3	5-4	5-5					
6	6-0	6-1	6-2	6-3	6-4	6-5	6-6				
7	7-0	7-1	7-2	7-3	7-4	7-5	7-6	7-7			
8	8-0	8-1	8-2	8-3	8-4	8-5	8-6	8-7	8-8		
9	9-0	9-1	9-2	9-3	9-4	9-5	9-6	9-7	9-8	9-9	
10	10-0	10-1	10-2	10-3	10-4	10-5	10-6	10-7	10-8	10-9	10-10
11	11-0	11-1	11-2	11-3	11-4	11-5	11-6	11-7	11-8	11-9	11-10
12	12-0	12-1	12-2	12-3	12-4	12-5	12-6	12-7	12-8	12-9	12-10
13	13-0	13-1	13-2	13-3	13-4	13-5	13-6	13-7	13-8	13-9	13-10
14	14-0	14-1	14-2	14-3	14-4	14-5	14-6	14-7	14-8	14-9	14-10
15	15-0	15-1	15-2	15-3	15-4	15-5	15-6	15-7	15-8	15-9	15-10
16	16-0	16-1	16-2	16-3	16-4	16-5	16-6	16-7	16-8	16-9	16-10
17	17-0	17-1	17-2	17-3	17-4	17-5	17-6	17-7	17-8	17-9	17-10
18	18-0	18-1	18-2	18-3	18-4	18-5	18-6	18-7	18-8	18-9	18-10
19	19-0	19-1	19-2	19-3	19-4	19-5	19-6	19-7	19-8	19-9	19-10
20	20-0	20-1	20-2	20-3	20-4	20-5	20-6	20-7	20-8	20-9	20-10

Try using the subtraction grid at home:

How many calculations can you answer in 5 minutes/7 minutes?

Can you answer all the yellow calculations?

How did you work out the answers?

Can you answer the blue and pink number sentences?

How did you calculate that answer?

Which strategy helps you?

Which calculations do you find the most challenging?

Can you complete the whole grid?

Can you beat me?!