

Fluency checks: **addition and subtraction**

Test A – complements to 10 and 100 (multiples of 10)

Test B – complements to 50 and 100 (multiples of 5)

Test C – complements to 20

Test D – complements to 50 (not multiples of 5/10)

Test E – complements 51-100 (not multiples of 5/10)

Test F – addition and subtraction of two two-digit numbers

Test G – addition and subtraction of two two-digit numbers with missing values

How I use them:

Give children 1 minute per “box” (set of 12 questions) and once their minute is over, they move on to the next box. (This may need to be adjusted depending on the age/year group of the children)

If children score fewer than x number of mistakes, they move on to the next test.

If children score more than x number of mistakes, they stay on that test.

If children score poorly on a test more than twice, I edit the test to make a more “personalised” test that is more suitable for their need.

Name _____

Date: _____

Test A

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

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

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

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

60	+		=	100
10	+		=	100
30	+		=	100
40	+		=	100
80	+		=	100
0	+		=	100
100	+		=	100
50	+		=	100
70	+		=	100
20	+		=	100
90	+		=	100
30	+		=	100

100	-	10	=	
100	-	40	=	
100	-	70	=	
100	-	0	=	
100	-	60	=	
100	-	100	=	
100	-	70	=	
100	-	20	=	
100	-	90	=	
100	-	30	=	
100	-	80	=	
100	-	50	=	

100	-		=	70
100	-		=	30
100	-		=	100
100	-		=	50
100	-		=	10
100	-		=	40
100	-		=	80
100	-		=	60
100	-		=	20
100	-		=	90
100	-		=	40
100	-		=	0

	+	20	=	100
	+	70	=	100
	+	90	=	100
	+	40	=	100
	+	60	=	100
	+	20	=	100
	+	30	=	100
	+	100	=	100
	+	80	=	100
	+	0	=	100
	+	50	=	100
	+	10	=	100

Name _____

Date _____

Test B

45	+		=	50
5	+		=	50
	+	15	=	50
	+	5	=	50
35	+		=	50
15	+		=	50
	+	25	=	50
35	+		=	50
	+	35	=	50
25	+		=	50
	+	15	=	50
	+	45	=	50

50	-	25	=	
50	-		=	5
50	-	15	=	
50	-		=	45
50	-	5	=	
50	-		=	15
50	-		=	35
50	-	35	=	
50	-		=	25
50	-		=	35
50	-	15	=	
50	-	45	=	

	+	25	=	50
50	-	35	=	
5	+		=	50
	+	45	=	50
50	-	15	=	
50	-		=	15
	+	35	=	50
50	-		=	35
15	+		=	50
	+	15	=	50
50	-	25	=	
	+	45	=	50

50	-		=	25
45	+		=	50
50	-	5	=	
25	+		=	50
50	-	45	=	
50	-		=	5
	+	5	=	50
50	-	25	=	
35	+		=	50
50	-		=	45
	-	35	=	15
	+	5	=	50

	+	75	=	100
	+	95	=	100
65	+		=	100
	+	85	=	100
95	+		=	100
	+	95	=	100
55	+		=	100
	+	65	=	100
65	+		=	100
	+	55	=	100
75	+		=	100
85	+		=	100

100	-	55	=	
100	-		=	85
100	-	95	=	
100	-		=	65
100	-		=	55
100	-	85	=	
100	-	65	=	
100	-		=	75
100	-	55	=	
100	-		=	95
100	-		=	65
100	-	75	=	

100	-		=	55
55	+		=	100
100	-		=	85
100	-	55	=	
	+	95	=	100
	+	65	=	100
100	-	85	=	
65	+		=	100
	+	75	=	100
100	-	55	=	
75	+		=	100
100	-		=	75

85	+		=	100
100	-	55	=	
100	-	75	=	
100	-		=	65
100	-	95	=	
	+	55	=	100
65	+		=	100
100	-		=	95
95	+		=	100
	-	65	=	35
	+	75	=	100
	+	85	=	100

Name _____

Date _____

Test C

	+	2	=	20
	+	13	=	20
0	+		=	20
	+	9	=	20
	+	1	=	20
15	+		=	20
4	+		=	20
	+	17	=	20
12	+		=	20
8	+		=	20
11	+		=	20
	+	3	=	20

20	-		=	4
20	-	11	=	
20	-		=	20
20	-	7	=	
20	-		=	17
20	-	15	=	
20	-		=	13
20	-	1	=	
20	-	17	=	
20	-		=	9
20	-		=	12
20	-	5	=	

	+	19	=	20
17	+		=	20
	+	10	=	20
5	+		=	20
20	+		=	20
	+	14	=	20
	+	6	=	20
13	+		=	20
18	+		=	20
7	+		=	20
	+	16	=	20
	+	11	=	20

20	-		=	19
20	-	6	=	
20	-	8	=	
20	-		=	7
20	-	13	=	
20	-	18	=	
20	-		=	16
20	-		=	6
20	-	12	=	
20	-	3	=	
20	-		=	14
20	-		=	10

20	-	7	=	
20	-		=	9
20	-	3	=	
2	+		=	20
20	-		=	2
	+	11	=	20
	-	15	=	5
5	+		=	20
	+	1	=	20
20	-	4	=	
20	-		=	18
	+	14	=	20

45	+		=	50
100	-	60	=	
20	-	7	=	
	+	15	=	50
10	=	6	+	
12	+		=	20
20	-	4	=	
	+	35	=	50
9	+		=	20
	+	15	=	50
50	=		+	5
20	+		=	50

20	-		=	1
20	-		=	20
20	-	17	=	
	-	10	=	10
20	-		=	12
	+	16	=	20
	-	13	=	7
17	+		=	20
	+	10	=	20
12	+		=	20
	+	20	=	20
20	-	9	=	

20	=	8	+	
10	+		=	10
20	-		=	18
50	-	35	=	
	+	17	=	20
40	+	10	=	
	=	17	+	3
10	-		=	10
	+	17	=	20
50	-		=	45
25	+		=	50
5	+		=	50

Name _____

Date _____

Test D

21	+		=	50
50	=		+	38
42	+		=	50
	+	41	=	50
50	=		+	32
49	+		=	50
33	+		=	50
50	=		+	22
	+	27	=	50
24	+		=	50
	+	48	=	50
50	=	37	+	

38	+		=	50
	+	23	=	50
50	=	26	+	
	+	36	=	50
	+	47	=	50
43	+		=	50
50	=		+	42
	+	34	=	50
22	+		=	50
50	=		+	29
50	=	34	+	
41	+		=	50

31	+		=	50
	+	37	=	50
50	=	48	+	
	+	21	=	50
23	+		=	50
44	+		=	50
50	=		+	43
	+	49	=	50
	+	24	=	50
50	=	28	+	
	+	33	=	50
36	+		=	50

50	=	39	+	
	+	28	=	50
47	+		=	50
	+	44	=	50
50	=	27	+	
32	+		=	50
	+	46	=	50
50	=		+	31
	+	26	=	50
46	+		=	50
50	=		+	39
29	+		=	50

50	-	23	=	
50	-	41	=	
50	-		=	24
37	=	50	-	
	=	50	-	32
50	-		=	42
50	-		=	47
50	-		=	32
	=	50	-	26
50	-	37	=	
50	-		=	29
50	-	48	=	

50	-	49	=	
	=	50	-	31
50	-		=	43
50	-	34	=	
50	-		=	48
50	-		=	23
31	=	50	-	
50	-	24	=	
50	-		=	34
50	-	43	=	
27	=	50	-	
50	-	29	=	

50	-	47	=	
50	-	21	=	
50	-	38	=	
22	=	50	-	
50	-		=	33
50	-		=	41
50	-		=	46
	=	50	-	42
50	-		=	36
50	-	27	=	
50	-		=	28
50	-	33	=	

50	-	39	=	
50	-		=	26
	=	50	-	28
50	-	22	=	
50	-		=	38
50	-	46	=	
21	=	50	-	
50	-	36	=	
50	-		=	49
	=	50	-	44
50	-		=	44
50	-		=	39

Name _____

Date _____

Test E

62	+		=	100
100	=		+	26
	+	87	=	100
71	+		=	100
100	=	94	+	
36	+		=	100
7	+		=	100
100	=		+	19
	+	28	=	100
98	+		=	100
100	=	58	+	
83	+		=	100

21	+		=	100
100	=	38	+	
100	=		+	16
	+	73	=	100
91	+		=	100
2	+		=	100
67	+		=	100
100	=	11	+	
52	+		=	100
100	=		+	96
	+	31	=	100
77	+		=	100

100	=	39	+	
84	+		=	100
100	=		+	76
8	+		=	100
	+	17	=	100
3	+		=	100
100	=		+	93
37	+		=	100
58	+		=	100
	+	29	=	100
12	+		=	100
100	=	66	+	

100	=		+	64
86	+		=	100
	+	24	=	100
100	=		+	92
4	+		=	100
100	=	79	+	
33	+		=	100
1	+		=	100
100	=	18	+	
22	+		=	100
	+	59	=	100
32	+		=	100

100	-	69	=	
100	-		=	87
	=	100	-	51
100	-		=	66
100	-	84	=	
	=	100	-	62
100	-		=	93
96	=	100	-	
100	-	73	=	
100	-		=	52
	=	100	-	57
78	=	100	-	

100	-	74	=	
100	-		=	67
97	=	100	-	
44	=		-	56
100	-	98	=	
100	-		=	88
100	-	64	=	
100	-		=	57
61	=	100	-	
100	-		=	79
	=	100	-	87
100	-	59	=	

100	-	92	=	
100	-	61	=	
100	-		=	84
68	=	100	-	
	=	100	-	82
100	-		=	63
100	-	53	=	
100	-		=	99
	=	100	-	96
100	-		=	72
54	=	100	-	
100	-	77	=	

100	-		=	76
100	-	91	=	
100	-		=	53
	=	100	-	58
100	-	67	=	
100	-		=	86
81	=	100	-	
100	-		=	98
100	-	71	=	
64	=	100	-	
100	-	94	=	
	=	100	-	89

Name _____

Date _____

Test F

11	+	52	=	
37	+	63	=	
29	+	56	=	
58	+	43	=	
87	+	38	=	
35	+	66	=	
17	+	70	=	
69	+	32	=	
96	+	27	=	
74	+	38	=	
33	+	59	=	
15	+	62	=	

99	+	36	=	
57	+	94	=	
68	+	22	=	
81	+	48	=	
72	+	31	=	
90	+	26	=	
45	+	14	=	
55	+	73	=	
39	+	60	=	
97	+	21	=	
19	+	53	=	
84	+	34	=	

44	+	23	=	
64	+	25	=	
18	+	88	=	
47	+	92	=	
65	+	24	=	
30	+	54	=	
85	+	46	=	
13	+	76	=	
40	+	83	=	
79	+	27	=	
28	+	67	=	
51	+	20	=	

91	+	49	=	
16	+	78	=	
80	+	61	=	
41	+	89	=	
82	+	71	=	
95	+	86	=	
12	+	93	=	
50	+	74	=	
98	+	27	=	
13	+	46	=	
55	+	77	=	
36	+	19	=	

84	-	65	=	
53	-	25	=	
76	-	59	=	
44	-	27	=	
96	-	49	=	
72	-	23	=	
32	-	29	=	
70	-	45	=	
91	-	35	=	
56	-	47	=	
62	-	40	=	
88	-	42	=	

50	-	34	=	
79	-	43	=	
98	-	75	=	
64	-	47	=	
85	-	52	=	
46	-	45	=	
81	-	68	=	
78	-	20	=	
93	-	18	=	
83	-	13	=	
57	-	26	=	
61	-	30	=	

97	-	12	=	
51	-	39	=	
73	-	24	=	
21	-	16	=	
92	-	87	=	
54	-	22	=	
86	-	33	=	
66	-	28	=	
80	-	41	=	
71	-	37	=	
99	-	77	=	
60	-	14	=	

69	-	36	=	
90	-	48	=	
55	-	17	=	
31	-	19	=	
94	-	67	=	
74	-	38	=	
39	-	24	=	
82	-	11	=	
63	-	43	=	
89	-	58	=	
71	-	49	=	
95	-	18	=	

Name _____

Date _____

Test G

11	+		=	52
63	+	37	=	
29	+	56	=	
	+	43	=	58
	+	38	=	87
35	+	66	=	
70	+	17	=	
69	+	32	=	
	+	27	=	96
74	+	38	=	
33	+		=	59
15	+	62	=	

	+	36	=	99
57	+	94	=	
22	+	68	=	
	+	48	=	81
	+	31	=	72
90	+	26	=	
	+	14	=	45
55	+	73	=	
39	+	60	=	
	+	21	=	97
19	+		=	53
34	+	84	=	

	+	23	=	44
64	+	25	=	
88	+	18	=	
47	+		=	92
	+	24	=	65
30	+	54	=	
85	+	46	=	
13	+		=	76
83	+	40	=	
	+	27	=	79
28	+	67	=	
	+	20	=	51

	+	49	=	91
16	+	78	=	
	+	61	=	80
89	+	41	=	
	+	71	=	82
95	+	86	=	
12	+		=	93
50	+	74	=	
	+	27	=	98
46	+	13	=	
55	+		=	77
36	+	19	=	

84	-	65	=	
	-	25	=	53
76	-	59	=	
44	-	27	=	
96	-		=	49
	-	23	=	72
32	-		=	29
70	-	45	=	
91	-		=	35
56	-	47	=	
62	-		=	40
88	-	42	=	

50	-	34	=	
79	-	43	=	
98	-		=	75
64	-		=	47
85	-	52	=	
46	-	45	=	
81	-		=	68
	-	20	=	78
93	-	18	=	
	-	13	=	83
57	-	26	=	
61	-		=	30

97	-		=	12
51	-	39	=	
73	-	24	=	
	-	16	=	21
92	-		=	87
54	-	22	=	
86	-	33	=	
	-	28	=	66
80	-		=	41
71	-	37	=	
99	-	77	=	
	-	14	=	60

69	-	36	=	
90	-	48	=	
	-	17	=	55
31	-	19	=	
94	-	67	=	
74	-	38	=	
	-	24	=	39
82	-	11	=	
63	-		=	43
89	-	58	=	
71	-		=	49
95	-		=	18