Good	Great	Super

I know what must be added to any 3 digit number to make the next multiple of 100.

Good		Great		Super	
130 + _ = 200	(70)	135 + _ = 200	(65)	128 + _ = 200	(72)
270 + _ = 300	(30)	265 + _ = 300	(35)	264 + _ = 300	(36)
340 + _ = 400	(60)	315 + _ = 400	(85)	371 + _ = 400	(29)
420 + _ = 500	(80)	455 + _ = 500	(45)	467 + _ = 500	(33)
680 + _ = 700	(20)	875 + _ = 900	(25)	688 + _ = 700	(12)

I can add and subtract multiples of 10, 100 and 1000.

+	130	220	310	550
200	330	420	510	750
400	530	620	710	950
300	430	520	610	850
100	230	320	410	650

+	130	220	310	550
60	190	280	370	610
90	220	310	400	640
70	200	290	380	620
40	170	260	350	590

-	240	560	720	150
2000	1760	1440	1280	1850
5000	4760	4440	4280	4850
6000	5760	5440	5280	5850
3000	2760	2440	2280	2850

I can halve any even number to 200.

Halve...

26	34	48	52	64	78	86	92	108	112	126	134	144	156	168	172	184	196
13	17	24	26	32	39	43	46	54	56	63	67	72	78	84	86	92	98

I can, with jottings, find unit fractions and simple non-unit fractions of numbers and quantities.

1/3 of 6 = 2	1/6 of 18 = 3
1/5 of 25 = 5	1/10 of 30 = 3
1/4 of 24 = 6	1/5 of 30 = 6
1/8 of 16 = 2	1/2 of 22 = 11

2/5 of 25 = 10	2/6 of 12 = 4
4/5 of 60 = 48	2/3 of 15 = 10
2/5 of 20 = 8	5/6 of 42 = 35
3/5 of 35 = 21	2/3 of 18 = 12

3/4 of 200g = 150g
5/6 of 300g = 250g
1/3 of 120ml = 40ml
3/8 of 40km = 15km

Parkfield Maths Passport

Y4

Name: .....

Good	Great	Super

I know by heart the x6 tables.

1 x 6 = 6	7 x 6 = 42	5 x 6 = 30	10 x 6 = 60	36 ÷ 6 = 6	48 ÷ 6 = 8
2 x 6 = 12	8 x 6 = 48	4 x 6 = 24	8 x 6 = 48	18 ÷ 6 = 3	12 ÷ 6 = 2
3 x 6 = 18	9 x 6 = 54	3 x 6 = 18	2 x 6 = 12	66 ÷ 6 = 11	54 ÷ 6 = 9
4 x 6 = 24	10 x 6 = 60	7 x 6 = 42	6 x 6 = 36	42 ÷ 6 = 7	24 ÷ 6 = 4
5 x 6 = 30	11 x 6 = 66	1 x 6 = 6	11 x 6 = 66	60 ÷ 6 = 10	72 ÷ 6 = 12
6 x 6 = 36	12 x 6 = 72	12 x 6 = 72	9 x 6 = 54	6 ÷ 6 = 1	30 ÷ 6 = 5

I know by heart the x7 tables.

1 x 7 = 7	7 x 7 = 49	5 x 7 = 35	10 x 7 = 70	42 ÷ 7 = 6	56 ÷ 7 = 8
2 x 7 = 14	8 x 7 = 56	4 x 7 = 28	8 x 7 = 56	21 ÷ 7 = 3	14 ÷ 7 = 2
3 x 7 = 21	9 x 7 = 63	3 x 7 = 21	2 x 7 = 14	77 ÷ 7 = 11	63 ÷ 7 = 9
4 x 7 = 28	10 x 7 = 70	7 x 7 = 49	6 x 7 = 42	49 ÷ 7 = 7	28 ÷ 7 = 4
5 x 7 = 35	11 x 7 = 77	1 x 7 = 7	11 x 7 = 77	70 ÷ 7 = 10	84 ÷ 7 = 12
6 x 7 = 42	12 x 7 = 84	12 x 7 = 84	9 x 7 = 63	7 ÷ 7 = 1	35 ÷ 7 = 5

I know by heart the x9 tables

1 x 9 = 9	7 x 9 = 63	5 x 9 = 45	10 x 9 = 90	54 ÷ 9 = 6	72 ÷ 9 = 8
2 x 9 = 18	8 x 9 = 72	4 x 9 = 36	8 x 9 = 72	27 ÷ 9 = 3	18 ÷ 9 = 2
3 x 9 = 27	9 x 9 = 81	3 x 9 = 27	2 x 9 = 18	99 ÷ 9 = 11	81 ÷ 9 = 9
4 x 9 = 36	10 x 9 = 90	7 x 9 = 63	6 x 9 = 54	63 ÷ 9 = 7	36 ÷ 9 = 4
5 x 9 = 45	11 x 9 = 99	1 x 9 = 9	11 x 9 = 99	90 ÷ 9 = 10	108 ÷ 9 = 12
6 x 9 = 54	12 x 9 = 108	12 x 9 = 108	9 x 9 = 81	9 ÷ 9 = 1	45 ÷ 9 = 5

Good	Great	Super

I know by heart the x11 tables.

Good		Great		Super	
1 x 11 = 11	7 x 11 = 77	5 x 11 = 55	10 x 11 = 110	66 ÷ 11 = 6	88 ÷ 11 = 8
2 x 11 = 22	8 x 11 = 88	4 x 11 = 44	8 x 11 = 88	33 ÷ 11 = 3	22 ÷ 11 = 2
3 x 11 = 33	9 x 11 = 99	3 x 11 = 33	2 x 11 = 22	121 ÷ 11 = 11	99 ÷ 11 = 9
4 x 11 = 44	10 x 11 = 110	7 x 11 = 77	6 x 11 = 66	77 ÷ 11 = 7	44 ÷ 11 = 4
5 x 11 = 55	11 x 11 = 121	1 x 11 = 11	11 x 11 = 121	110 ÷ 11 = 10	132 ÷ 11 = 12
6 x 11 = 66	12 x 11 = 132	12 x 11 = 132	9 x 11 = 99	11 ÷ 11 = 1	55 ÷ 11 = 5

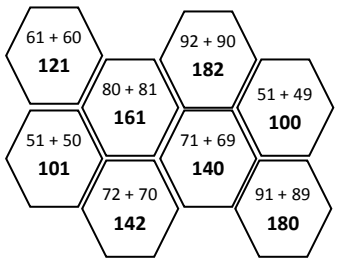
I know by heart the x12 tables.

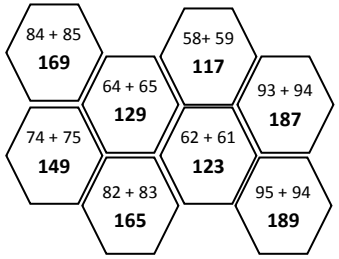
Good		Great		Super	
1 x 12 = 12	7 x 12 = 84	5 x 12 = 60	10 x 12 = 120	72 ÷ 12 = 6	96 ÷ 12 = 8
2 x 12 = 24	8 x 12 = 96	4 x 12 = 48	8 x 12 = 96	36 ÷ 12 = 3	24 ÷ 12 = 2
3 x 12 = 36	9 x 12 = 108	3 x 12 = 36	2 x 12 = 24	132 ÷ 12 = 11	108 ÷ 12 = 9
4 x 12 = 48	10 x 12 = 120	7 x 12 = 84	6 x 12 = 72	84 ÷ 12 = 7	48 ÷ 12 = 4
5 x 12 = 60	11 x 12 = 132	1 x 12 = 12	11 x 12 = 132	120 ÷ 12 = 10	144 ÷ 12 = 12
6 x 12 = 72	12 x 12 = 144	12 x 12 = 144	9 x 12 = 108	12 ÷ 12 = 1	60 ÷ 12 = 5

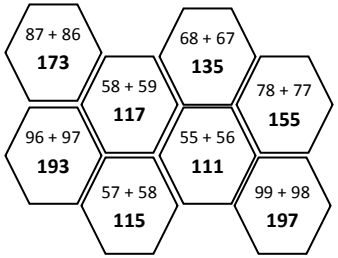
I can use partitioning to calculate mentally.

Good		Great		Super	
55 + 36	50 + 30 + 6 + 5 = 91	155 + 30	100 + 50 + 30 + 5 = 185	186 - 40	100 + 80 + 6 - 40 = 146
43 + 39	40 + 30 + 9 + 3 = 82	142 + 40	100 + 40 + 40 + 2 = 182	197 - 70	100 + 90 + 7 - 70 = 127
45 + 29	40 + 20 + 9 + 5 = 74	241 + 50	200 + 40 + 50 + 1 = 291	154 - 30	100 + 50 + 4 - 30 = 124
68 - 32	60 - 30 + 8 - 2 = 36	453 + 20	400 + 50 + 20 + 3 = 473	348 - 30	300 + 40 + 8 - 30 = 318
87 - 45	80 - 40 + 7 - 5 = 42	185 + 40	100 + 80 + 40 + 5 = 225	584 - 60	500 + 80 + 4 - 60 = 524

I can add near doubles of 2 digit numbers.







Good	Great	Super

I can double a multiple of 10 or 100.

Double...

60	70	80	90	140	160	190	300	500	700	800	1200	1300	1400	1500	1600	1700	1800
120	140	160	180	280	320	380	600	1000	1400	1600	2400	2600	2800	3000	3200	3400	3600

I can recall number bonds to 1000.

150 + **850**	50 + **950**	130 + **870**	180 + **820**	255 + **745**	364 + **636**
350 + **650**	310 + **690**	380 + **620**	360 + **640**	168 + **832**	487 + **513**
750 + **250**	810 + **190**	720 + **280**	860 + **140**	684 + **316**	522 + **478**
450 + **550**	610 + **390**	490 + **510**	530 + **470**	934 + **66**	785 + **215**

With jottings

I know doubles of numbers to 100 and corresponding halves.

Double...

17	19	21	27	32	35	44	49	56	57	62	65	74	79	86	88	93	97
34	38	42	54	64	70	88	98	112	114	124	130	148	158	172	176	186	194

I can recall pairs of fractions that total 1.

1/2 + **1/2**	2/5 + **3/5**	3/8 + **5/8**
1/3 + **2/3**	1/6 + **5/6**	1/9 + **8/9**
1/4 + **3/4**	2/6 + **4/6**	2/9 + **7/9**
1/5 + **4/5**	1/8 + **7/8**	4/9 + **5/9**
1/10 + **9/10**	2/10 + **8/10**	7/12 + **5/12**