Parkfield Maths Passport

Y2

Name: .....

I know all pairs of multiples of 10 with totals up to 100.

Good		Great		Super
10 + _ = 100	(90)	60 + _ = 100	(40)	100 - 90 = 10
20 + _ = 100	(80)	70 + _ = 100	(30)	100 - 80 = 20
30 + _ = 100	(70)	80 + _ = 100	(20)	100 - 70 = 30
40 + _ = 100	(60)	90 + _ = 100	(10)	100 - 60 = 40
50 + _ = 100	(50)	100 + _ = 100	(0)	100 - 50 = 50
				100 - 40 = 60
				100 - 30 = 70
				100 - 20 = 80
				100 - 10 = 90

I know by heart the x5 tables.

Good			Great			Super	
1 x 5 = 5	7 x 5 = 35		5 x 5 = 25	10 x 5 = 50		30 ÷ 5 = 6	40 ÷ 5 = 8
2 x 5 = 10	8 x 5 = 40		4 x 5 = 20	8 x 5 = 40		15 ÷ 5 = 3	10 ÷ 5 = 2
3 x 5 = 15	9 x 5 = 45		3 x 5 = 15	2 x 5 = 10		55 ÷ 5 = 11	45 ÷ 5 = 9
4 x 5 = 20	10 x 5 = 50		7 x 5 = 35	6 x 5 = 30		35 ÷ 5 = 7	20 ÷ 5 = 4
5 x 5 = 25	11 x 5 = 55		1 x 5 = 5	11 x 5 = 55		50 ÷ 5 = 10	60 ÷ 5 = 12
6 x 5 = 30	12 x 5 = 60		12 x 5 = 60	9 x 5 = 45		5 ÷ 5 = 1	25 ÷ 5 = 5

I know by heart the x10 tables.

Good			Great			Super	
1 x 10 = 10	7 x 10 = 70		5 x 10 = 50	10 x 10 = 100		60 ÷ 10 = 6	80 ÷ 10 = 8
2 x 10 = 20	8 x 10 = 80		4 x 10 = 40	8 x 10 = 80		30 ÷ 10 = 3	20 ÷ 10 = 2
3 x 10 = 30	9 x 10 = 90		3 x 10 = 30	2 x 10 = 20		110 ÷ 10 = 11	90 ÷ 10 = 9
4 x 10 = 40	10 x 10 = 100		7 x 10 = 70	6 x 10 = 60		70 ÷ 10 = 7	40 ÷ 10 = 4
5 x 10 = 50	11 x 10 = 110		1 x 10 = 10	11 x 10 = 110		100 ÷ 10 = 10	120 ÷ 10 = 12
6 x 10 = 60	12 x 10 = 120		12 x 10 = 120	9 x 10 = 90		10 ÷ 10 = 1	50 ÷ 10 = 5

I know all number bonds to 20.

Good	Great	Super
10 + ? = 20 (10)	2 + ? = 20 (18)	7 + ? = 20 (13)
5 + ? = 20 (15)	3 + ? = 20 (17)	8 + ? = 20 (12)
1 + ? = 20 (19)	4 + ? = 20 (16)	9 + ? = 20 (11)
	6 + ? = 20 (14)	

I can subtract numbers which are close to each other (by counting on or back).

Good	Great	Super
21 - 19 = 2	23 - 19 = 4	93 - 89 = 4
21 - 18 = 3	52 - 49 = 3	73 - 68 = 5
22 - 19 = 3	62 - 59 = 3	74 - 69 = 5
21 - 17 = 4	81 - 79 = 2	55 - 49 = 6

I know by heart the x2 tables.

Good			Great			Super	
1 x 2 = 2	7 x 2 = 14		5 x 2 = 10	10 x 2 = 20		12 ÷ 2 = 6	16 ÷ 2 = 8
2 x 2 = 4	8 x 2 = 16		4 x 2 = 8	8 x 2 = 16		6 ÷ 2 = 3	4 ÷ 2 = 2
3 x 2 = 6	9 x 2 = 18		3 x 2 = 6	2 x 2 = 4		22 ÷ 2 = 11	18 ÷ 2 = 9
4 x 2 = 8	10 x 2 = 20		7 x 2 = 14	6 x 2 = 12		14 ÷ 2 = 7	8 ÷ 2 = 4
5 x 2 = 10	11 x 2 = 22		1 x 2 = 2	11 x 2 = 22		20 ÷ 2 = 10	24 ÷ 2 = 12
6 x 2 = 12	12 x 2 = 24		12 x 2 = 24	9 x 2 = 18		2 ÷ 2 = 1	10 ÷ 2 = 5

I can find half of even numbers up to 40.

Halve...

2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Good	Great	Super

I can halve any multiple of 10 up to 100.

Good	Great	Super
10 ⇨ 5 20 ⇨ 10 100 ⇨ 50	40 ⇨ 20 60 ⇨ 30 80 ⇨ 40	30 ⇨ 15 50 ⇨ 25 70 ⇨ 35 90 ⇨ 45

I can double any multiple of 5 up to 50.

Good	Great	Super
Double 5 = 10 Double 10 = 20 Double 20 = 40 Double 40 = 80	Double 15 = 30 Double 25 = 50 Double 30 = 60 Double 50 = 100	Double 35 = 70 Double 45 = 90

I can add near doubles e.g. 13+14, 39+40.

Good	Great	Super
10 + 11 = 21 11 + 12 = 23 16 + 17 = 33 14 + 15 = 29 12 + 13 = 25	18 + 19 = 37 13 + 14 = 27 17 + 18 = 35 15 + 16 = 31 19 + 20 = 39	39 + 40 = 79 29 + 30 = 59 49 + 50 = 99 41 + 40 = 81 31+ 30 = 61 21+ 20= 41

I can add 9, 19, 29….or 11,21,31….

+	+11	+21	+31	+41
7	18	28	38	48
15	26	36	46	56
24	35	45	55	65
32	43	53	63	73

+	+9	+19	+29	+39	+49
5	14	24	34	44	54
14	23	33	43	53	63
23	32	42	52	62	72
36	45	55	65	75	85

15 + 19 = 34
26 + 29 = 55
42 + 39 = 81
17 + 49 = 66
23 + 59 = 82
13 + 39 = 52
18 + 69 = 87

15 + 61 = 76
26 + 21 = 47
42 + 31 = 73
17 + 41 = 58
23 + 71 = 94
13 + 51 = 64
12 + 81 = 93

Good	Great	Super

I can add or subtract any single-digit number to or from any multiple of 10.

Good		Great		Super	
10 + 5 = 15	10 - 5 = 5	30 + 5 = 35	30 - 5 = 25	60 + 5 = 65	60 - 5 = 55
10 + 7 = 17	10 - 7 = 3	40 + 7 = 47	40 - 7 = 33	90 + 7 = 97	90 - 7 = 83
20 + 8 = 28	20 - 8 = 12	30 + 8 = 38	30 - 8 = 22	60 + 8 = 68	60 - 8 = 52
20 + 9 = 29	20 - 9 = 11	40 + 9 = 49	40 - 9 = 31	70 + 9 = 79	70 - 9 = 61
20 + 3 = 23	20 - 3 = 17	30 + 3 = 33	30 - 3 = 27	80 + 3 = 83	80 - 3 = 77

I know doubles of multiples of 10 up to 50 and corresponding halves.

Good	Great	Super
Double 10 = 20 Double 20 = 40 Double 30 = 60 Double 40 = 80 Double 50 = 100	Halve 10 = 5 Halve 20 = 10 Halve 40 = 20	Halve 30 = 15 Halve 50 = 25

I know doubles for all numbers up to 20.

Good	Great	Super
Double 2 is 4	Double 8 is 16	Double 14 is 28
Double 3 is 6	Double 9 is 18	Double 15 is 30
Double 4 is 8	Double 10 is 20	Double 16 is 32
Double 5 is 10	Double 11 is 22	Double 17 is 34
Double 6 is 12	Double 12 is 24	Double 18 is 36
Double 7 is 14	Double 13 is 26	Double 19 is 38

I know what must be added to any 2-digit number to make the next multiple of 10.

Good		Great		Super	
12 + ? = 20	Answer = 8	38 + ? = 40	Answer = 2	52 + ? = 60	Answer = 8
14 + ? = 20	Answer = 6	45 + ? = 50	Answer = 5	74 + ? = 80	Answer = 6
15 + ? = 20	Answer = 5	68 + ? = 70	Answer = 2	41 + ? = 50	Answer = 9
16 + ? = 20	Answer = 4	56 + ? = 60	Answer = 4	62 + ? = 70	Answer = 8
13 + ? = 20	Answer = 7	87 + ? = 90	Answer = 3	83 + ? = 90	Answer = 7
17 + ? = 20	Answer = 3	69 + ? = 70	Answer = 1	74 + ? = 80	Answer = 6