



Good	Great	Super
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 I can recall all number bonds to 100.

15 + <u>85</u>	19 + <u>81</u>
25 + <u>75</u>	29 + <u>71</u>
35 + <u>65</u>	39 + <u>61</u>
45 + <u>55</u>	49 + <u>51</u>
5 + <u>95</u>	59 + <u>41</u>

69 + <u>31</u>	43 + <u>57</u>
79 + <u>21</u>	44 + <u>56</u>
89 + <u>11</u>	23 + <u>77</u>
22 + <u>78</u>	24 + <u>76</u>
32 + <u>68</u>	42 + <u>58</u>


56 + <u>44</u>	64 + <u>36</u>
58 + <u>62</u>	73 + <u>27</u>
67 + <u>33</u>	63 + <u>37</u>
54 + <u>46</u>	62 + <u>38</u>
66 + <u>34</u>	74 + <u>26</u>

 I can recall sums and differences of multiples of 10 beyond 100.

80 + 60 140	70 + 40 110
80 + 90 170	70 + 90 160
80 + 50 130	70 + 60 130
80 + 70 150	90 + 50 140

90 + 60 150	160 - 40 120
150 - 30 120	180 - 60 120
150 - 20 130	170 - 40 130
150 - 40 110	190 - 20 170


180 - 90 90	160 - 80 80
170 - 90 80	150 - 60 90
170 - 80 90	160 - 90 70
160 - 70 90	150 - 80 70

 I know all addition and subtraction facts for numbers up to 20.

3 + 11 = 14	4 + 12 = 16
3 + 13 = 16	4 + 15 = 19
3 + 15 = 18	5 + 11 = 16
4 + 14 = 18	5 + 12 = 17
4 + 13 = 17	5 + 14 = 19


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

15 - 6 = 9	16 - 8 = 8
15 - 7 = 8	16 - 9 = 7
15 - 8 = 7	17 - 8 = 9
15 - 9 = 6	17 - 9 = 8
16 - 7 = 9	18 - 9 = 9

 I can halve any multiple of 10 up to 200.

Halve...

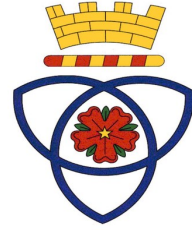
10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100



Parkfield Maths Passport



Asia




Y3

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 I know by heart my x3 tables.

1 x 3 = 3	7 x 3 = 21	5 x 3 = 15	10 x 3 = 30	18 ÷ 3 = 6	24 ÷ 3 = 8
2 x 3 = 6	8 x 3 = 24	4 x 3 = 12	8 x 3 = 24	9 ÷ 3 = 3	6 ÷ 3 = 2
3 x 3 = 9	9 x 3 = 27	3 x 3 = 9	2 x 3 = 6	33 ÷ 3 = 11	27 ÷ 3 = 9
4 x 3 = 12	10 x 3 = 30	7 x 3 = 21	6 x 3 = 18	21 ÷ 3 = 7	12 ÷ 3 = 4
5 x 3 = 15	11 x 3 = 33	1 x 3 = 3	11 x 3 = 33	30 ÷ 3 = 10	36 ÷ 3 = 12
6 x 3 = 18	12 x 3 = 36	12 x 3 = 36	9 x 3 = 27	3 ÷ 3 = 1	15 ÷ 3 = 5

 I know by heart my x4 tables.

1 x 4 = 4	7 x 4 = 28	5 x 4 = 20	10 x 4 = 40	24 ÷ 4 = 6	32 ÷ 4 = 8
2 x 4 = 8	8 x 4 = 32	4 x 4 = 16	8 x 4 = 32	12 ÷ 4 = 3	8 ÷ 4 = 2
3 x 4 = 12	9 x 4 = 36	3 x 4 = 12	2 x 4 = 8	44 ÷ 4 = 11	36 ÷ 4 = 9
4 x 4 = 16	10 x 4 = 40	7 x 4 = 28	6 x 4 = 24	28 ÷ 4 = 7	16 ÷ 4 = 4
5 x 4 = 20	11 x 4 = 44	1 x 4 = 4	11 x 4 = 44	40 ÷ 4 = 10	48 ÷ 4 = 12
6 x 4 = 24	12 x 4 = 48	12 x 4 = 48	9 x 4 = 36	4 ÷ 4 = 1	20 ÷ 4 = 5

 I know by heart my x8 tables.

1 x 8 = 8	7 x 8 = 56	5 x 8 = 40	10 x 8 = 80	48 ÷ 8 = 6	64 ÷ 8 = 8
2 x 8 = 16	8 x 8 = 64	4 x 8 = 32	8 x 8 = 64	24 ÷ 8 = 3	16 ÷ 8 = 2
3 x 8 = 24	9 x 8 = 72	3 x 8 = 24	2 x 8 = 16	88 ÷ 8 = 11	72 ÷ 8 = 9
4 x 8 = 32	10 x 8 = 80	7 x 8 = 56	6 x 8 = 48	56 ÷ 8 = 7	32 ÷ 8 = 4
5 x 8 = 40	11 x 8 = 88	1 x 8 = 8	11 x 8 = 88	80 ÷ 8 = 10	96 ÷ 8 = 12
6 x 8 = 48	12 x 8 = 96	12 x 8 = 96	9 x 8 = 72	8 ÷ 8 = 1	40 ÷ 8 = 5

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I can double any multiple of 5 up to 100.

Double...

5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200

I can use partitioning to + and - mentally.

45 + 23	40 + 20 + 5 + 3 = 68	53 + 38	50 + 30 + 8 + 3 = 91	86 - 65	80 - 60 + 6 - 5 = 21
41 + 34	40 + 30 + 4 + 1 = 75	47 + 39	40 + 30 + 9 + 7 = 86	75 - 53	70 - 50 + 5 - 3 = 22
32 + 26	30 + 20 + 6 + 2 = 58	44 + 28	40 + 20 + 8 + 4 = 72	82 - 61	80 - 60 + 2 - 1 = 21
62 + 34	60 + 30 + 4 + 2 = 96	64 - 31	60 - 30 + 4 - 1 = 33	75 - 34	70 - 30 + 5 - 4 = 41
54 + 24	50 + 20 + 4 + 4 = 78	85 - 43	80 - 40 + 5 - 3 = 42	68 - 26	60 - 20 + 8 - 6 = 42

I can multiply any two digit number by 10 and 100.

X100	1500	2600	3400	4600	5200	6800	7400	8700	9300	9900
X10	150	260	340	460	520	680	740	870	930	990
Number	15	26	34	46	52	68	74	87	93	99

I can add near doubles.

50 + 60 = 110	25 + 27 = 52	26 + 27 = 53
60 + 70 = 130	21 + 23 = 44	46 + 47 = 93
80 + 70 = 150	32 + 34 = 66	28 + 29 = 57
80 + 90 = 170	15 + 17 = 32	35 + 36 = 71
90 + 100 = 110	42 + 44 = 86	36 + 37 = 73

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I can use partitioning to double and halve.

Double 43	40 + 40 + 3 + 3 = 86	Double 38	30 + 30 + 8 + 8 = 76	Halve 64	60 + 4 = 30 + 2 = 32
Double 24	20 + 20 + 4 + 4 = 48	Double 27	20 + 20 + 7 + 7 = 54	Halve 86	80 + 6 = 40 + 3 = 43
Double 32	30 + 30 + 2 + 2 = 64	Double 36	30 + 30 + 6 + 6 = 72	Halve 62	60 + 2 = 30 + 1 = 31
Double 23	20 + 20 + 3 + 3 = 46	Halve 48	40 + 8 = 20 + 4 = 24	Halve 42	40 + 2 = 20 + 1 = 21
Double 44	40 + 40 + 4 + 4 = 88	Halve 82	80 + 2 = 40 + 1 = 41	Halve 88	80 + 8 = 40 + 4 = 44

I can + and - 2-digit numbers to or from a multiple of 10.

10 + 23 = 33	10 + 46 = 56	60 + 38 = 98	60 + 27 = 87	60 - 27 = 33	60 - 46 = 14
20 + 32 = 52	20 + 65 = 85	70 + 21 = 91	80 + 16 = 96	50 - 28 = 22	50 - 14 = 36
30 + 27 = 57	30 + 61 = 91	80 - 25 = 55	80 - 38 = 42	50 - 16 = 34	50 - 38 = 12
40 + 25 = 65	40 + 58 = 98	80 - 53 = 27	80 - 44 = 36	40 - 25 = 15	40 - 29 = 11
50 + 34 = 84	50 + 26 = 76	70 - 34 = 36	70 - 28 = 42	30 - 16 = 14	30 - 18 = 12

I can + and - groups of small numbers.

5 + 3 - 1 = 7	8 + 7 - 5 = 10	6 - 3 + 2 - 1 = 4
8 + 5 - 2 = 11	9 + 6 - 2 = 13	5 - 3 + 4 - 1 = 5
9 + 5 - 4 = 10	7 - 4 + 8 = 11	6 - 2 + 1 + 7 = 12
5 + 6 - 2 = 9	9 - 3 + 6 = 12	8 - 7 + 8 - 1 = 8
7 + 4 - 1 = 10	7 - 5 + 9 = 11	7 - 5 - 2 + 9 = 9

I can recall doubles of multiples of 10 up to 200.

Double...

10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400