Parkfield Maths Passport

Y3

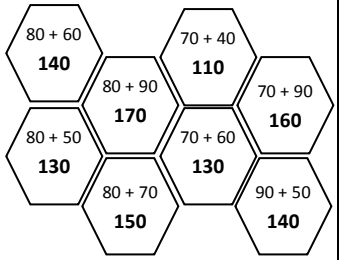
Name: .....

Good

I can recall all number bonds to 100.

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

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



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

I know by heart the x8 tables.

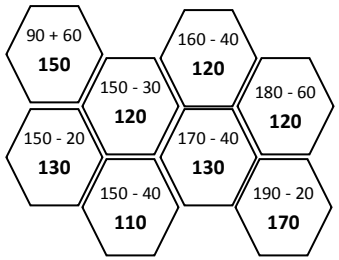
1 x 8 = 8	7 x 8 = 56
2 x 8 = 16	8 x 8 = 64
3 x 8 = 24	9 x 8 = 72
4 x 8 = 32	10 x 8 = 80
5 x 8 = 40	11 x 8 = 88
6 x 8 = 48	12 x 8 = 96

Great

I can recall all number bonds to 100.

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

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



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

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

I know by heart the x8 tables.

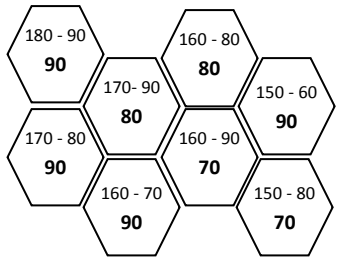
5 x 8 = 40	10 x 8 = 80
4 x 8 = 32	8 x 8 = 64
3 x 8 = 24	2 x 8 = 16
7 x 8 = 56	6 x 8 = 48
1 x 8 = 8	11 x 8 = 88
12 x 8 = 96	9 x 8 = 72

Super

I can recall all number bonds to 100.

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

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



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

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 know by heart the x8 tables.

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

Good

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 use partitioning to double and halve.

Double 43	40 + 40 + 3 + 3 = 86
Double 24	20 + 20 + 4 + 4 = 48
Double 32	30 + 30 + 2 + 2 = 64
Double 23	20 + 20 + 3 + 3 = 46
Double 44	40 + 40 + 4 + 4 = 88

I can halve any multiple of 10 up to 200.

Great

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

I can use partitioning to double and halve.

Double 38	30 + 30 + 8 + 8 = 76
Double 27	20 + 20 + 7 + 7 = 54
Double 36	30 + 30 + 6 + 6 = 72
Halve 48	40 + 8 = 20 + 4 = 24
Halve 82	80 + 2 = 40 + 1 = 41

I can halve any multiple of 10 up to 200.

Super

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

I can use partitioning to double and halve.

Halve 64	60 + 4 = 30 + 2 = 32
Halve 86	80 + 6 = 40 + 3 = 43
Halve 62	60 + 2 = 30 + 1 = 31
Halve 42	40 + 2 = 20 + 1 = 21
Halve 88	80 + 8 = 40 + 4 = 44

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

Good	Great	Super

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
41 + 34	40 + 30 + 4 + 1 = 75
32 + 26	30 + 20 + 6 + 2 = 58
62 + 34	60 + 30 + 4 + 2 = 96
54 + 24	50 + 20 + 4 + 4 = 78

53 + 38	50 + 30 + 8 + 3 = 91
47 + 39	40 + 30 + 9 + 7 = 86
44 + 28	40 + 20 + 8 + 4 = 72
64 - 31	60 - 30 + 4 - 1 = 33
85 - 43	80 - 40 + 5 - 3 = 42

86 - 65	80 - 60 + 6 - 5 = 21
75 - 53	70 - 50 + 5 - 3 = 22
82 - 61	80 - 60 + 2 - 1 = 21
75 - 34	70 - 30 + 5 - 4 = 41
68 - 26	60 - 20 + 8 - 6 = 42

I know by heart the x3 tables.

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

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

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

I can add near doubles.

50 + 60 = 110

60 + 70 = 130

80 + 70 = 150

80 + 90 = 170

90 + 100 = 110

25 + 27 = 52

21 + 23 = 44

32 + 34 = 66

15 + 17 = 32

42 + 44 = 86

26 + 27 = 53

46 + 47 = 93

28 + 29 = 57

35 + 36 = 71

36 + 37 = 73

Good	Great	Super

I know by heart the x4 tables.

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

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

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

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

10 + 23 = 33	10 + 46 = 56
20 + 32 = 52	20 + 65 = 85
30 + 27 = 57	30 + 61 = 91
40 + 25 = 65	40 + 58 = 98
50 + 34 = 84	50 + 26 = 76

60 + 38 = 98	60 + 27 = 87
70 + 21 = 91	80 + 16 = 96
80 - 25 = 55	80 - 38 = 42
80 - 53 = 27	80 - 44 = 36
70 - 34 = 36	70 - 28 = 42

60 - 27 = 33	60 - 46 = 14
50 - 28 = 22	50 - 14 = 36
50 - 16 = 34	50 - 38 = 12
40 - 25 = 15	40 - 29 = 11
30 - 16 = 14	30 - 18 = 12

I can + and – groups of small numbers.

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

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

6 - 3 + 2 - 1 =4
5 - 3 + 4 - 1 = 5
6 - 2 + 1 + 7 = 12
8 - 7 + 8 - 1 = 8
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