

Good	Great	Super
✈️ I know square numbers to 12x12.		
$1^2 = 1$	$5^2 = 25$	$9^2 = 81$
$2^2 = 4$	$6^2 = 36$	$10^2 = 100$
$3^2 = 9$	$7^2 = 49$	$11^2 = 121$
$4^2 = 16$	$8^2 = 64$	$12^2 = 144$

✈️ I can use knowledge of place value and related calculations.		
0.5 x 3 = 1.5	0.8 x 5 = 4.0	3.2 ÷ 8 = 0.4
0.6 x 5 = 3.0	0.9 x 5 = 4.5	6.3 ÷ 9 = 0.7
0.2 x 9 = 1.8	0.3 x 9 = 2.7	4.5 ÷ 5 = 0.9
0.4 x 4 = 1.6	0.8 x 7 = 5.6	1.8 ÷ 3 = 0.6
0.7 x 3 = 2.1	0.7 x 4 = 2.8	3.6 ÷ 6 = 0.6
		2.4 ÷ 6 = 0.4
		1.2 ÷ 6 = 0.2
		6.4 ÷ 8 = 0.8
		1.6 ÷ 4 = 0.4
		7.2 ÷ 8 = 0.9
2.2 ÷ 2 = 1.1	8.4 ÷ 1.2 = 7	
5.5 ÷ 5 = 1.1	3.6 ÷ 0.6 = 6	
8.8 ÷ 8 = 1.1	2.4 ÷ 0.4 = 6	
4.8 ÷ 4 = 1.2	1.6 ÷ 0.2 = 8	
10.8 ÷ 9 = 1.2	5.4 ÷ 0.6 = 9	

✈️ I can count on and back in minutes and hours, across 60, and in all time formats.		
2.50pm add 45 minutes = 3.35pm	17:15 add 73 minutes = 18:28	4.10pm take-away 45 minutes = 3.25pm
4.25pm add 85 minutes = 5.50pm	19:46 add 45 minutes = 18:31	3.15pm take-away 50 minutes = 2.25pm
7.05pm add 90 minutes = 8.35pm	21:12 add 1 hour 10 mins = 22:22	7.10am take-away 75 minutes = 5.55am

✈️ I know all prime numbers to 100.		
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100		

Parkfield Maths Passport

Australasia Y6


Name:


Good	Great	Super
🚲 I can x and ÷ multiples of 100 by multiples of 10 and 100.		
300 x 60 = 18,000	4500 ÷ 50 = 90	4200 ÷ 700 = 6
500 x 20 = 10,000	3600 ÷ 60 = 60	1800 ÷ 600 = 3
600 x 40 = 24,000	1500 ÷ 50 = 30	35000 ÷ 500 = 70
700 x 30 = 21,000	4200 ÷ 70 = 60	21000 ÷ 700 = 30
500 x 90 = 45,000	5600 ÷ 80 = 70	72000 ÷ 800 = 90


🚲 I can double and halve decimals with units and tenths.			
Double...	Double...	Halve...	Halve...
3.4 = 6.8	7.7 = 15.4	4.6 = 2.3	6.7 = 3.35
4.5 = 9.0	15.9 = 31.8	5.8 = 2.9	8.9 = 4.45
6.3 = 12.6	23.6 = 47.2	6.4 = 3.2	16.5 = 8.25
8.7 = 17.4	45.9 = 91.8	5.6 = 2.8	3.7 = 1.85
13.4 = 26.8	46.7 = 93.4	1.8 = 0.9	7.3 = 3.65
18.2 = 36.4	48.6 = 97.2	1.4 = 0.7	17.9 = 8.95


🚲 I know equivalence between percentages and decimals and fractions.		
1/2	1/4	3/4
1/3	2/3	1/5
2/5	3/5	4/5
1/10	3/10	7/10
9/10	1/8	3/8
5/8	7/8	
0.5	0.25	0.75
0.33	0.66	0.2
0.4	0.6	0.8
0.1	0.3	0.7
0.9	0.125	0.375
0.625	0.875	
50%	25%	75%
33%	66%	20%
40%	60%	80%
10%	30%	70%
90%	12.5%	37.5%
62.5%	87.5%	


In Y6 you must keep practising all times tables up to 12 x 12.


Good		Great				Super								
 I can multiply 2 digit and 1 digit numbers. (with jottings)														
x	23	25	32	45	x	35	46	52	61	x	67	73	85	93
3	69	75	96	135	6	210	276	312	366	6	402	438	510	558
4	92	100	128	180	7	245	322	364	427	7	469	511	595	651
5	115	125	160	225	8	280	368	416	488	8	536	584	680	744
6	138	150	192	270	9	315	414	468	549	9	603	657	765	837


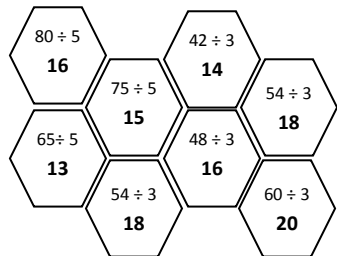
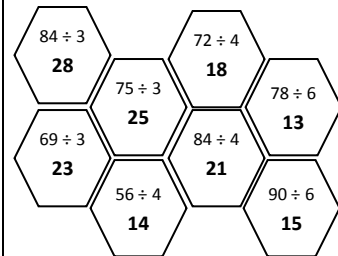
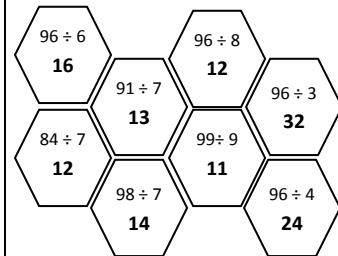
 I can + and - pairs of decimals.									
$2.5 + 0.43 = 2.93$ $3.2 + 0.52 = 3.72$ $5.6 + 2.28 = 7.88$ $7.4 + 2.24 = 9.64$ $12.3 + 4.61 = 16.91$ $15.3 + 3.41 = 18.71$			$2.6 + 1.35 = 3.95$ $5.2 + 1.42 = 6.62$ $4.6 + 1.36 = 5.96$ $6.7 + 2.16 = 8.86$ $14.2 + 2.58 = 16.78$ $15.5 + 3.25 = 18.75$			$4.6 + 1.46 = 6.06$ $6.7 + 1.53 = 8.23$ $4.6 + 4.65 = 9.25$ $4.3 + 1.95 = 6.25$ $3.8 + 2.48 = 6.28$ $4.7 + 1.37 = 6.07$			


 I can divide whole numbers by 25 or 50.									
$350 \div 50 = 7$ $550 \div 50 = 11$ $650 \div 50 = 13$ $850 \div 50 = 17$ $1150 \div 50 = 23$ $1600 \div 50 = 32$			$3450 \div 50 = 69$ $2850 \div 50 = 57$ $4650 \div 50 = 93$ $300 \div 25 = 12$ $425 \div 25 = 17$ $525 \div 25 = 21$			$375 \div 25 = 15$ $650 \div 25 = 26$ $775 \div 25 = 31$ $3050 \div 25 = 122$ $4025 \div 25 = 161$ $3400 \div 25 = 136$			

 I can simplify fractions by cancelling.									
$2/10 = 1/5$	$2/6 = 1/3$	$3/9 = 1/3$	$4/12 = 1/3$	$15/25 = 3/5$	$25/45 = 5/9$	$14/21 = 2/3$	$6/18 = 1/3$	$18/30 = 3/5$	$16/48 = 1/3$
$4/10 = 2/5$	$4/8 = 1/2$	$2/12 = 1/6$	$9/12 = 3/4$	$16/40 = 2/5$	$22/30 = 11/15$	$69/30 = 23/10$	$84/44 = 21/11$	$56/44 = 14/11$	$90/66 = 15/11$
$2/8 = 1/4$	$6/10 = 3/5$	$8/20 = 2/5$	$6/9 = 2/3$	$12/36 = 1/3$	$21/49 = 3/7$	$84/77 = 12/11$	$99/99 = 1$	$98/77 = 14/11$	$96/44 = 24/11$
$6/8 = 3/4$	$4/6 = 2/3$	$8/12 = 2/3$	$10/12 = 5/6$						
$8/10 = 4/5$	$5/10 = 1/2$	$4/20 = 1/5$	$3/12 = 1/4$						

Good		Great				Super								
 I can find multiples of 10% of whole numbers.														
	10%	20%	50%	60%		20%	40%	80%	90%		30%	40%	70%	80%
42	4.2	8.4	21	25.2	16	3.2	6.4	12.8	14.4	40	12	16	28	32
74	7.4	14.8	37	44.4	35	7	14	28	31.5	65	19.5	26	45.5	52
45	4.5	9	22.5	27	48	9.6	19.2	38.4	43.2	120	36	48	84	96
64	6.4	12.8	32	38.4	62	12.4	24.8	49.6	55.8	150	45	60	105	120

 I can x and ÷ 2 digit decimals by units.									
$0.5 \times 3 = 1.5$ $0.6 \times 7 = 4.2$ $0.3 \times 9 = 2.7$ $0.4 \times 8 = 3.6$ $0.8 \times 8 = 6.4$ $0.9 \times 4 = 3.6$			$4.5 \div 5 = 0.9$ $3.5 \div 5 = 0.7$ $3.2 \div 4 = 0.8$ $1.6 \div 4 = 0.4$ $2.1 \div 7 = 0.3$			$8.1 \div 9 = 0.9$ $6.4 \div 8 = 0.8$ $2.8 \div 4 = 0.7$ $3.6 \div 6 = 0.6$ $5.6 \div 8 = 0.7$			

 I can divide a 2 digit number by a 1 digit number.									
									

 I know what must be added to a decimal to make the next whole number.									
$5.23 + \underline{\quad} = 6.0$ (0.77) $2.41 + \underline{\quad} = 3.0$ (0.59) $4.34 + \underline{\quad} = 5.0$ (0.66) $7.38 + \underline{\quad} = 8.0$ (0.62) $2.51 + \underline{\quad} = 3.0$ (0.49)			$3.06 + \underline{\quad} = 4.0$ (0.94) $5.95 + \underline{\quad} = 6.0$ (0.05) $4.96 + \underline{\quad} = 5.0$ (0.04) $7.91 + \underline{\quad} = 8.0$ (0.09) $2.03 + \underline{\quad} = 3.0$ (0.97)			$3.062 + \underline{\quad} = 4.0$ (0.938) $5.951 + \underline{\quad} = 6.0$ (0.049) $4.842 + \underline{\quad} = 5.0$ (0.158) $7.453 + \underline{\quad} = 8.0$ (0.547) $2.068 + \underline{\quad} = 3.0$ (0.932)			