Student Profile

Name:		
Emergent to One to One Counting		**Date achieved**
I am learning to ...		**I can ...**
Knowledge		
Read	The numerals 1 to 10 1 2 3 4 5 6 7 8 9 10	
Say	The numbers 1 to 10 forwards: 1 2 3 4 5 6 7 8 9 10	
Say	The numbers 10 to 1 backwards: 10 9 8 7 6 5 4 3 2 1	
Strategy		
Count	The number of objects in a set up to 10 1 2 3 4 5 6 7 	

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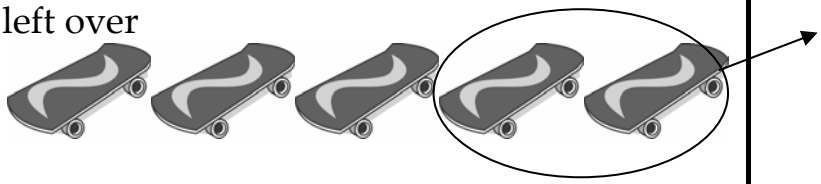
Name:		
One to One Counting to Counting from One on Materials		**Date achieved**
I am learning to ...		**I can ...**
Knowledge		
Read	The numerals 1 to 20 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	
Say	The next number after from 1 to 10 3 4 7 8	
Say	The number before from 1 to 10 4 5 9 10	
Know	Patterns for numbers 1 to 5  	
Strategy		
Join	Groups of objects together and find the total up to 10  and 	
Split	Groups of objects and find how many are left over 	

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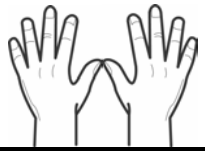
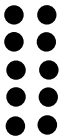
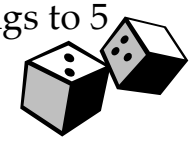
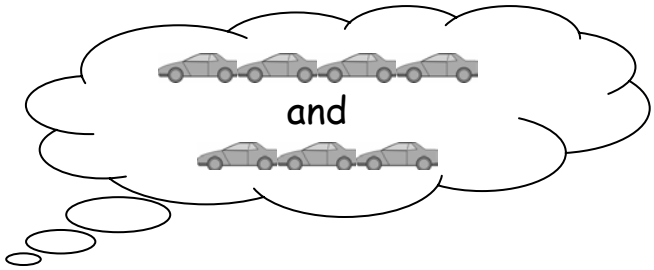
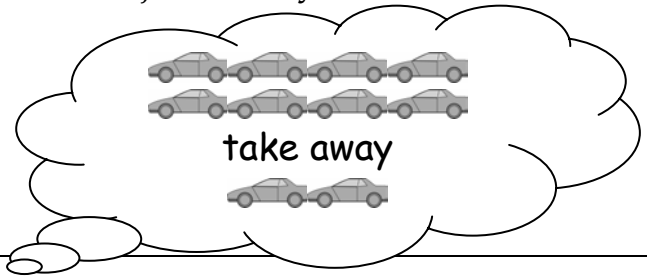
Name:		
Counting from One On Materials to **Counting from One By Imaging**		**Date achieved**
I am learning to ...		**I can ...**
Knowledge		
Skip Count	In 2's up to 20 2, 4, 6, 8, 10, 12, 14, 16, 18, 20	
Say	The next number after from 1 to 20 12 <u>13</u> 18 <u>19</u>	
Say	The number before from 1 to 20 <u>11</u> 12 <u>9</u> 10	
Know	Patterns for numbers 1 to 10  	
Know	+ and − groupings to 5 3 + 2 = 5 5 − 2 = 3 	
Strategy		
Solve	Addition problems, up to 10, by counting all the objects in my head. 	
Solve	Subtraction problems, up to 10, by counting all the objects in my head. 	

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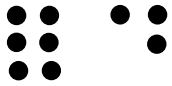
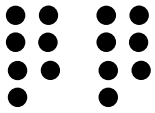
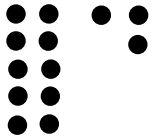
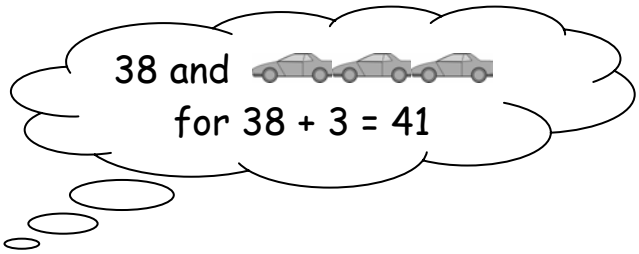
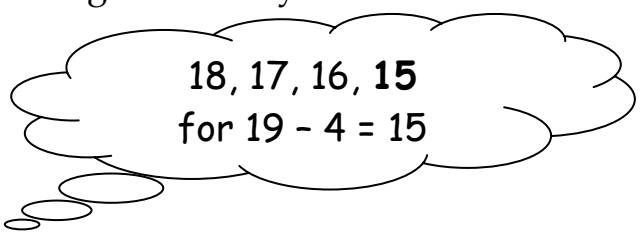
Name:		
Counting from One By Imaging to **Advanced Counting**		**Date achieved**
I am learning to ...		**I can ...**
Knowledge		
Read, Write, and Count	Whole numbers up to 100, forwards and backwards in 1's, 2's, 5's, and 10's.	
Recall	How many tens in a two-digit number, e.g. 87 has 8 tens.	
Know	Groupings that make up numbers to 10, e.g.  3 + 7 = 10.	
Know	Doubles up to 20 and the matching halves, e.g.  7 + 7 = 14, ½ of 14 is 7	
Know	Groupings with 10, e.g. 10 + 3 = 13 	
Strategy		
Solve	Addition problems, up to 100, by counting on in my head. 	
Solve	Subtraction problems, up to 100, by counting back in my head. 	

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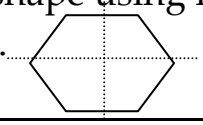
Name:		
Advanced Counting	**to** **Early Additive**	**Date achieved**
I am learning to ...		**I can ...**
Knowledge		
Read and Count	Whole numbers up to 1000, in ones, tens and hundreds, e.g. 370, 380, 390, 400, 410...	
Recall	How many tens in a three-digit number, e.g. 456 has 45 tens.	
Know	All the addition facts to 20, e.g. 8 + 7 = 15.	
Know	All the 2 ×, 10 ×, 5 × multiplication facts and the matching division facts, e.g. 35 ÷ 5 = 7.	
Strategy		
Solve + and – problems by:	Using doubles, e.g. 8 + 7 = 15 because 7 + 7 = 14, 16 – 8 = 8 because 8 + 8 = 16.	
	Making tens, e.g. 28 + 6 = 30 + 4.	
	Joining and separating tens and ones, e.g. 34 + 25 = (30 + 20) + (4 + 5) = 59.	
Solve × and ÷ problems by:	Using repeated addition, e.g. 4 × 6 as 6 + 6 = 12, 12 + 12 = 24.	
	Turning multiplications around, e.g. 10 × 3 = 3 × 10.	
Find a unit fraction of:	A set using halving, e.g. ¼ of 20 as ½ of 20 = 10, ½ of 10 = 5.	
	A shape using fold symmetry, e.g. 	

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Name:		
Early Additive **to** **Advanced Additive**		**Date achieved**
I am learning to ...		**I can ...**
Knowledge		
Read and Order	Whole numbers up to 1 000 000, e.g. 36 075 < 90 002 < 201 489.	
Know	How many 10's and 100's are in whole numbers up to 10 000, e.g. 734 tens are in 7 340.	
Read and order	Fractions with the same numerator or denominator, e.g. $\frac{1}{8} < \frac{1}{5}$ and $\frac{3}{10} < \frac{5}{10}$.	
Recall	All the basic addition and subtraction facts up to 20, e.g. 13 – 5 = 8 and 8 + 6 = 14.	
Recall	All the basic multiplication facts up to 10 × 10 = 100, e.g. 6 × 9 = 54	
Strategy		
Solve + and – problems by:	Using standard place value (100's, 10's, 1's), e.g. 724 – 206 = ☐ as 724 – 200 = 524, 524 – 6 = 518.	
	Compensating from tidy numbers, e.g. 834 – 479 = ☐ as 834 – 500 + 21 = 355.	
	Reversing the operation, e.g. 834 – 479 = ☐ as 479 + ☐ = 834.	
Solve × and ÷ problems by:	Splitting one factor into parts, e.g. 8 × 13 = (8 × 10) + (8 × 3).	
	Doubling and halving, e.g. 24 × 5 = 12 × 10 = 120.	
	Reversing the operation for division, e.g. 63 ÷ 7 = ☐ using 9 × 7 = 63.	
Find a unit fraction of:	A set using multiplication, e.g. $\frac{1}{5}$ of 35 using 5 × 7 = 35.	

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Name:		
Advanced Additive	**to** **Advanced Multiplicative**	**Date achieved**
I am learning to ...		**I can ...**
Knowledge		
Read and Order	Decimals to three places, e.g. 6.25 < 6.3 < 6.402	
Know	Equivalent fractions including halves, thirds, quarters, fifths, tenths, hundredths, e.g. $\frac{3}{5} = \frac{6}{10}$ and $\frac{3}{4} = 75\% = 0.75$	
Know	How many $\frac{1}{10}$'s, 10's, 100's and 1000's are in whole numbers up to 1000 000, e.g. there are 3879 tenths in 387.9	
Recall	All the basic multiplication and division facts up to $10 \times 10 = 100$, and $100 \div 10 = 10$, e.g. $6 \times 9 = 54$, $72 \div 8 = 9$	
Strategy		
Solve + and – problems with fractions, decimals, and integers by:	Splitting fractions and using equivalent fractions, e.g. $\frac{3}{4} + \frac{5}{8} = \square$ as $(\frac{3}{4} + \frac{2}{8}) + \frac{3}{8} = (\frac{3}{4} + \frac{1}{4}) + \frac{3}{8} = 1\frac{3}{8}$.	
	Using standard place value, reversing, and tidy numbers with decimals, e.g. $2.4 - 1.78 = \square$ as $1.78 + \square = 2.4$ or $2.4 - 1.8 + 0.02 = 0.62$.	
	Recognising equivalent operations with integers, e.g. $^{+}5 - {}^{-}3 = \square$ has the same answer as $^{+}5 + {}^{+}3 = {}^{+}8$.	
Solve × and ÷ problems with whole numbers by:	Using standard place value (100's, 10's, 1's), e.g. $7 \times 56 = \square$ as $7 \times 50 = 350$, $7 \times 6 = 42$, and $350 + 42 = 392$, or $168 \div 7 = \square$ as $140 \div 7 = 20$, $28 \div 7 = 4$, $20 + 8 = 28$.	
	Compensating from tidy numbers, e.g. $252 \div 9 = \square$ as $270 \div 9 = 30$ so $252 \div 9 = 28$.	
	Splitting factors, e.g. $544 \div 16 = \square$ as $544 \div 2 \div 2 \div 2 \div 2 = 34$.	
Solve problems with fractions by:	Finding equivalent ratios, e.g. 2:3 is equivalent to 8:12 in the same way as $\frac{2}{5} = \frac{8}{20}$.	
	Expressing division answers and remainders as mixed numbers and fractions, e.g. $24 \div 5 = \frac{24}{5} = 4\frac{4}{5}$.	

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Name:		
Advanced Multiplicative	**to** **Advanced Proportional**	**Date achieved**
I am learning to ...		**I can ...**
Knowledge		
Find	Least common factors and highest common multiples, e.g. 6 is the HCF of 24 and 42.	
Know	Fraction to decimal to percentage conversions for $\frac{1}{2}$'s, $\frac{1}{4}$'s, $\frac{1}{5}$'s, $\frac{1}{8}$'s, $\frac{1}{10}$'s, $\frac{1}{3}$'s, e.g. $\frac{3}{5} = 0.6 = 60\%$	
Know	How many tenths, hundredths, thousandths are in decimals, e.g. 2.37 is 2370 thousandths.	
Read and order	Fractions with different denominators, e.g. $\frac{2}{5} < \frac{7}{16} < \frac{1}{2}$.	
Strategy		
Solve problems that involve combining different proportions	Using weighting or averaging, e.g. 25% of 36 combined with 75% of 24 gives 27 out of 60 (45% of 60).	
Solve × and ÷ problems with fractions and decimals by:	Using standard place value, reversing, and compensating from tidy numbers, e.g. 0.7 × 3.9 = ☐ as 0.7 × 3 = 2.1, 0.7 × 0.9 = 0.63, and 2.1 + 0.63 = 2.73.	
	Converting from fractions to decimals to percentages, e.g. 80% of 53 = ☐ as $8 \times \frac{1}{10} \times 53 = 8 \times 5.3 = 42.4$.	
	Creating common denominators, e.g. $\frac{3}{5} \times \frac{3}{4} = \frac{9}{20}$ or $\frac{2}{3} \div \frac{1}{4} =$ ☐ as $\frac{8}{12} \div \frac{3}{12} = \frac{8}{3} = 2\frac{2}{3}$.	
Solve problems with fractions, ratios and proportions by:	Using common factors to multiply between and within ratios, e.g. 8:12 as ☐:21 as 8:12 = 2:3 (common factor of 4) so 2:3 = 14:21 (multiplying by 7).	
	Partitioning fractions and percentages, e.g. 85% of 36 = ☐ as 10% of 36 = 3.6, 5% of 36 = 1.8, so 36 – 3.6 – 1.8 = 30.6.	