

Year 1					
Number – addition and subtraction		Number – multiplication and division			
read, write and interpret mathematical statements involving addition (+) and equals (=) signs It is important to that children have a clear understanding of the concept of equality, before using the '=' sign. Calculations should be on either side of the '=' to that children don't misunderstand '=' as to mean 'the answer'. 15 + 2 = 17 15 = 3 + 12	read, write and interpret mathematical statements involving and subtraction (-) equals (=) signs It is important to that children have a clear understanding of the concept of equality, before using the 's' sign. Calculations should be on either side of the 's' to that children don't misunderstand 's' as to mean 'the answer'. 15 - 2 = 13 15 = 18 - 3	Make connections between arrays and number patterns Arrays Image: Cooking at columns 2 + 2 + 2 3 + 3 3 groups of 2 3 groups of 2 3 + 3 2 groups of 3	make connections between arrays and number patterns $\overrightarrow{(1,1)} (\overrightarrow{(1,1)}) ($		
solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = [] + 4 To support this, when solving calculations, missing numbers should be placed in all possible places.	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = [] – 9 To support this, when solving calculations, missing numbers should be placed in all possible places.	2 x 4 or 2 + 2 + 2 + 2 solve one-step problems involving multiplication, by calculating the answer using concrete objects, pictorial representations and arrays with the support Use all the models and images mentioned above. Discuss which is most effective and why.	solve one-step problems involving division, by calculating the answer using concrete objects, pictorial representations and arrays with the support Use all the models and images mentioned above. Discuss which is most effective and why.		
3 + 4 = = 4 + 3 3 + = 7 7 = + 4 + 3 + = 7 7 = + 4 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2	16 - 9 = = 16 - 9 $16 - = 7 \qquad 7 = -9$ $- \nabla = 7 \qquad 7 = 16 \nabla$	Singapore Bar Method whole one part x number of parts = whole	Singapore Bar Method whole whole + number of parts = one part whole + one part = number of parts		
Use all the models and images mentioned above. Discuss which is most effective and why.	Use all the models and images mentioned above. Discuss which is most effective and why.	part larger quantity smaller quantity x multiples = larger quantity smaller quantity	larger quantity larger quantity ÷ smaller quantity = multiple larger quantity ÷ multiples = larger quantity smaller quantity		

understand and use vocabulary for addition, e.g. put together, add, altogether, total and more than	understand and use vocabulary for addition and subtraction, e.g. take away, distance between, difference between and less than	use a variety of language to describe multiplication	use a variety of language to describe division
+, add, more, plus, make, total, altogether, score, double, near double, one more, two more ten more,	 - subtract, take (away), minus, leave, how many are left/left over? how many have gone? one less, two less, ten less how many fewer is than? how much less is? difference between, half, halve, counting up/back 	count on (from, to), count back (from, to), count in ones, twos, threes, fours, fives count in tens, lots of, groups of, x, times, multiply, multiplied by, multiple of, once, twice, three times ten times times as (big, long, wide and so on), repeated addition, array, row, column, double, halve	Array, row, column, halve, share, share equally, one each, two each, three each group in pairs, threes tens, equal groups of \div , divide, divided by, divided into, left, left over
= equals, sign, is the same as	= equals, sign, is the same as	= equals, sign, is the same as	= equals, sign, is the same as
How many more to make? How many more is than? How much more is? Repetition of facts with different vocabulary: "What is 2 add 5?" "What is 2 more than 5?" "What is 2 plus 5?" What is the total of 2 and 5?" etc	Repetition of facts with different vocabulary: "What is 7 take away 3?" "What is 3 less than 7?" "What is 2 bubract 3?" "What is the difference between 3 and 7?" etc		